



# PHARMAVOICE..

AISSM SOCIETY'S COLLEGE OF PHARMACY NEWSLETTER ...



VOL. 1 ISSUE 4

APR - JUN 2016

## VISION

- To be amongst the top ten Pharmacy colleges in India by imparting excellence in Pharmacy education.
- Instilling research temperament in Pharmacy students.
- Continuous up gradation of infrastructure to maintain high standards of education

## MISSION

- Inculcating timeless values of caliber, competence, confidence and conscience in budding pharmacists.
- Indoctrinate quality in all aspects of Pharmacy education thereby enabling provision of better healthcare services.

## QUALITY POLICY

- The AISSMS College of Pharmacy is committed to empower our students to meet global challenges in Pharmacy profession through excellence in education.
- Our highly qualified and committed faculty is constantly exploring newer frontiers of knowledge with the intention to build quality pharmacist.
- We believe in honing the overall persona of our students through excellence in academics, co curricular and extracurricular activities.
- We strive to develop a sense of social obligation and discipline among our students not only to make a better technocrat but also a better human being.

## OBJECTIVES

- To provide sufficient understanding of scientific principles and techniques of pharmaceutical sciences
- To develop commitment for the quest of science
- To provide comprehensive knowledge and experience
- To provide exposure to latest techniques and technologies
- To teach pharmacy ethics to students
- To cater to manpower for globally growing pharmaceutical industry and for implementation of drug laws for compliance to regulatory norms.

All India Shri Shivaji Memorial Society's  
**College of Pharmacy**  
Kennedy Road, Pune-411 001

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For Contact:

Phone: +91-20-26058204 Fax: +91-20-26058208 Email: [contact@aiissmscop.com](mailto:contact@aiissmscop.com)  
www.aiissmscop.com

## EDITORIAL

Greetings to all our readers! With great joy we present the Fourth Issue of 'PHARMAVOICE'.

A thought that has been enduring in mind when it becomes real; is truly an interesting and exciting experience. This news letter was one such cherished work that had its roots in the persuasion. Proper communication plays a vital role in institution's development. This Newsletter has served to reinforce and allow increased awareness, improved interaction and integration among all of us.

The year saw a record number of students being placed in reputed multinational pharma companies through the placement cell. This speaks volumes about the calibre and competence of our students as well as the efforts taken by the faculty & principal madam in our unwavering focus on quality education.

The progress of the society is mainly depends on many people who are working behind the scenes, overtime round the clock planning things to the smallest. This Newsletter is a medium to provide proper acknowledgement and respect all of these efforts and its results.

The academic year 2015-2016 ended and we would like to thank the society, administration and the members of the committee who gave their efforts and valuable inputs in making this maiden effort of introducing the newsletter a success. We hope to continue this initiative taken by us and produce many more issues of this newsletter for you! Hope you find pleasure going through this newsletter.



**Editorial Committee**

**(From L to R Sitting)**

**Ms. Pallavi Shirsat (M. Pharm. I year)**

**Mrs. Shital Patil (Faculty Member)**

**Dr. Santosh Gandhi (Faculty Member)**

**Mr. Ajinkya Deosthali (M. Pharm. II year)**

**(From L to R Standing)**

**Mr. Rushikesh Sonaikar (B. Pharm. II Year)**

**Mr. Vaibhav Ghegade (B. Pharm. I Year)**

**Ms. Aditi Kinikar (B. Pharm. III Year)**

**Mr. Vaibhav Kalokhe (B. Pharm. IV Year)**

**All the very best to graduating 2015-16 batch of B Pharm & M Pharm for a bright future and for keeping the AISSMS COP banner**

## NEWS & EVENTS

1. A Guest lecture was coordinated and organized by Dr. MRP Rao and Mrs. R C Yadav for M. Pharm. Sem IV students wherein Mr. Manoj Kharde (HR Manager, Sanofi-Syntheo Lab. Goa) was invited on 19/04/16. He enlightened the challenges in Pharma industry and discussed about the scope of pharmaceutical research and its quality control.



2. A successful conduct of a campus interview for M. Pharm Sem IV students by Sanofi Syntheo

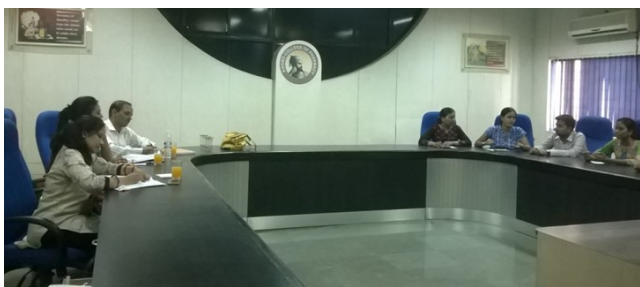
Lab was arranged on 19<sup>th</sup> April 2016 by T and P cell (Dr. MRP Rao and Mrs. R C Yadav) where around 50% students were placed in the area of formulation and development and quality assurance.



3. A successful conduct of a campus interview for M. Pharm Sem IV students on 20.4.16 by Sciedge Abstracts was organized by T and P cell where 10 students were placed in the area of technical writing.







4. Bird friendly campus and tree plantation programme was conducted at AISSMS College of pharmacy as a celebration of the world Earth day on 22 April 2016. The basic idea was to create an environment conducive to the birds. Bird feeders were installed at various places in the medicinal garden of the college. The feeders were prepared from waste plastic bottles. Bird houses were made from the waste plastic cans and were fixed on trees so that birds could stay in them all round the year protected from the weather. The event was coordinated by Mrs. Vidya Wable and Dr. Santosh Gandhi alongwith Vasundhara Ecorangers.



5. Mrs. Archana Gavade from Elite Academy delivered a guest lecture on topic Intellectual Property Rights on 26/04/2016 as part of celebrating World IP day. The activity was co-ordinated by Dr. Santosh V. Gandhi.



6. An industrial visit for M.Pharm sem II students was organized on 3<sup>rd</sup> May 2016 by T and P Cell in coordination with Mrs. Reshma Mirajkar to Nulife pharmaceuticals, Chinchwad, Pune. There were around 48 students and 03 staff members visited the unit and had premeditated the process involved and pattern of conduct.

7. A campus interview of B. Pharm final year students was arranged on 16<sup>th</sup> May 2016 for Sciedge Abstracts, Pune by T and P cell where 50% students were placed in the area of Technical writing and project assistant.
8. Campus interview was conducted for M. Pharm Sem. IV students by Emcure Pharmaceuticals, Pune on 3<sup>rd</sup> June 2016 coordinated by training and placement cell (Dr. MRP Rao and Mrs. R C Yadav). 05 students appeared and 03 were shortlisted in the area of regulatory affairs and global IP division.
9. International Yoga day' was celebrated on Tuesday, 21<sup>st</sup> June 2016 at 10.15 a.m., in old library hall. Dr. Rajeshri Nighojkar and Mrs. Seema Deshpande from Patanjali Yog Sanstha, Warje Vibhag, Paschim Maharashtra, Pune were the invited Yoga Practitioners. Yogasana and Pranayam were demonstrated as per the protocol set by the Government of India and all the teaching and non-teaching staff members as well as the students performed as per the given instructions. The programme was organized under the guidance of Dr. Ashwini Madgulkar, Principal and co-ordinated by Dr. Trupti S.Chitre and Mrs. Rucha Kulkarni (Members - Research consultancy and Extension).



10. A campus interview held on 27<sup>th</sup> June 2016 for Crest Premedia, Pune by Training and placement cell for M.Pharm Sem IV in the sector of pharmacovigilance and scientific data writing and analysis were around 30 % of students were shortlisted.

11. The Third year B. Pharm. students were directed for inplant training which can be performed in industry, retail/wholesale medical shop, hospital pharmacy to get exposure to the process

involved in purchase, manufacturing, inventory control, quality testing, layout and infrastructure requirement etc. to be completed in the duration of June-July 2016.

## STUDENTS ACHIEVEMENTS



1. Mr. Yash Nandwani has secured first prize in the event Patent Search Competition organized by CSIR-URDIP, Pune on 22/04/2016 on the occasion of World IP Day 2016
2. Mr. Yash Nandwani has secured second prize in the event IP Quiz Competition organized by

CSIR-URDIP, Pune on 22/04/2016 on the occasion of World IP Day 2016.

3. Mr. Aman Padamsey has secured third prize in the event IP Quiz Competition organized by CSIR-URDIP, Pune on 22/04/2016 on the occasion of World IP Day 2016.



## STAFF ACHIEVEMENTS

1. Dr. Mrinalini Damle was awarded "Certificate of Merit" by Kongposh Publications for the paper titled "Development and validation of stability indicating HPTLC method for estimation of Mometasone Furoate in Pharmaceuticals, published in "The Pharma Review" 2015, 13, 109-112.

2. Dr. Santosh V. Gandhi was awarded "Certificate of Merit" by Kongposh Publications for the paper titled "Development and Validation of Stability Indicating HPTLC Method for Estimation of Losartan Potassium" published in "The Pharma Review", 13 (75), 113-116

*Congratulations*

## COLLEGE ACHIEVEMENTS



Our college has ranked 33<sup>rd</sup> in India, 8<sup>th</sup> in State and 4<sup>th</sup> in Savitribai Phule Pune University as per announcement of National Institutional Ranking

Framework, Ministry of Human Resource Development and Government of India.

SN	Brief View of Academic Achievement by Staff and Students (2015-2016)	
1	Papers published/selected in International journals by staff	14
2	National Conferences attended by staff	14
3	Books Published by staff	06
4	Oral presentation/Posters/Papers presented by students	39
5	Students qualified for GPAT-2016 examination	17

*In order to succeed, we must first believe that we can.*

## UPCOMING EVENTS



1. S. Y. B. Pharm class Visit to Parvati water Purification Plant as a part of environmental awareness is organized on 5<sup>th</sup> July 2016 at 9.a.m. Members accompanying the class will be Dr. Trupti S. Chitre and Mrs. Shivani Rao.
2. Parents Meet of S. Y. B. Pharm. to Final Year B. Pharm. Students parents is tentatively scheduled on Friday 12<sup>th</sup> Aug. 2016.
3. Guest lecture on Cyber crime and Cyber security is scheduled in August 2016 for graduate and post-graduate students.
4. Educational trip is planned in the month of September for final year B. Pharm.
5. AISSMS College of Pharmacy will

be organizing State level poster presentation competition “**SYNAPSE 2016**”, on 14<sup>th</sup> October 2016. The objective is to provide an opportunity to promote the innovative ideas based research projects at UG as well as PG level. "Synapse 2016" is a platform provided to all budding researchers from B.Pharm. and M.Pharm. courses, to present the outcome of their research work. A panel of eminent researchers will evaluate the posters at this event.

6. 68<sup>th</sup> Indian Pharmaceutical Congress will be held in Dec 16-18, 2016 at Visakhapatnam, Andhra Pradesh

## DID YOU KNOW: ORAL CONTRACEPTIVES



India, a country with large population growth, has been a place with wide scope for research and market for emergency as well as combined contraceptive pills. These products, being available as OTCs, have contributed a lot in population control movement, and have attained an important place in public health.

Contraceptive pills, though available without prescription, contain serious class of chemicals as active components i.e. Steroid hormones. These are highly potent and are required to be given in tiny quantities (around 0.75 to 0.125 mgs are present in one tablet or pill). Moreover, these pills nowadays are used in regular basis in rural areas due to newly established literacy and knowledge about family planning and are also promoted by government medical facilities. Hence, it becomes a matter of concern to educate people about rational use of such pills. Physicians and pharmacists play an important role in this campaign of education. Before and while using these products the person should be advised by these health professionals.

**Single dose pills:** Most popular type of contraceptives, since used immediately after unprotected intercourse or failure of contraception to avoid pregnancy. These pills are to be taken only as an emergency, and not every now and then. Long term use may cause complaints regarding monthly periods. Other effects like nausea, vomiting, dizziness, weakness, headache, breast tenderness may also occur.

**Combined Oral Contraceptives:** These have two hormone derivatives and are to be taken regularly

on daily basis to avoid pregnancy. 21 day cycle is to be followed. It is very essential to follow the cycle and take the pill every day at same time as guided by the pharmacist or doctor and follow the directions strictly in case the dose is missed. There are adverse effects shown by this therapy. They include ‘break through bleeding’ i.e. bleeding in between two cycles of periods, especially in first few months. Others include nausea, headache, vomiting etc.

As the adverse effects may make women hesitate before using these products, it is a responsibility for healthcare professionals to guide as well as encourage them in such cases in order to serve the whole purpose of family and public health. Further, they should know the other medicines patient is taking to avoid complications

### References:

1. <http://patient.info/health/emergency-contraception-leaflet>
2. Tara C., Halley R., Kathryn M. , ‘Safety data for levonorgestrel, ulipristal acetate and Yuzpe regimens for emergency contraception’, Contraception; Volume 93, Issue 2, February 2016, Pages 93–112



*The way to get started is to quit talking and begin doing.*



## SCOPE OF PHARMACY-GOVERNMENT SECTOR:

### SENIOR SCIENTIFIC OFFICER- GRADE 1



The various national laboratories form an important building block in the organizational structure of the Central Drugs Standard Control Organization. These include the Central/Regional Drug Laboratories of Kolkata, Chennai, Mumbai, Guwahati, Chandigarh and Kasauli, along with IVRI (Indian Veterinary Research Institute), Izatnagar, NIB (National Institute of Biologicals), Noida and IPC (Indian Pharmacopoeial Commission), Ghaziabad.

As mentioned in Volume 1-Issue 2 of this newsletter, drug testing laboratories play an important part in drug regulation in a country and usually carry out analytical quality control and characterisation of samples of drugs and cosmetics submitted to it by a spectrum of authorities and agencies related to the country's drug regulation programme. These require Scientific Officers to discharge their various scientifically inclined duties.

#### EMPLOYED BY-

A forementioned laboratories under the Central Drugs Standard Control Organization (CDSCO)

#### ELIGIBILITY-

**AGE:** Age limit is 40 years (age relaxation for SC/ST is 5 years and 3 years for OBC).

#### QUALIFICATIONS

**A) ESSENTIAL:** Post Graduate degree in Pharmaceutical Sciences / Bio-chemistry / Biotechnology / Chemistry / Pharmacology / Microbiology from a recognized University.

**B) EXPERIENCE:** 7 years of experience in the area of Pharmaceuticals; Research experience in the relevant field with support of paper(s) published.

#### DESIRABLE :

Ph.D. in any of the related fields.

Research experience in the relevant field with support of paper(s) published.

Good knowledge of computer applications.

#### EXAMINATION-

Online recruitment applications must be made either at the UPSC website or the website of the concerned organization. Recruitment news is published as and when vacancies arise, usually in the first quarter of the year.

#### DUTIES-

1. To conduct and supervise testing of drugs received as statutory or appellate 'new drugs', Customs or survey samples by pharmacological,

physiochemical, biochemical, microbiological and toxicological methods of testing in the respective sections.

2. To supervise and take part in the research work pertaining to quality control of drugs.
3. To impart training in pharmacological, physiochemical, biochemical, microbiological and toxicological methods of analysis.
4. To conduct survey programmes on Quality control of essential and life saving drugs.
5. To supervise and take part in the standardization of bulk drugs for conversion to reference standards.
6. To supervise the maintenance and characterization procedure of microbiological cultures.
7. To issue statutory and survey reports as the government analyst of different states of the country.
8. To supervise the preparation of SOPs for different operations, maintenance, calibration of instruments, chemicals, glassware and analytical testing procedures. Also includes issuing, archiving and amending them.
9. Administrative supervision of the scientific section and procurement of chemicals, reagents and instruments for Testing of samples.
10. To supervise and monitor the systems management and data storage procedure of the Laboratory

#### PAYSCALE-

Basic :Rs.15600-39100

Grade Pay Rs. 6600

#### REFERENCES-

1. Vacancy Circular-Indian Pharmacopoeia Commission Ministry Of Health & Family Welfare Government Of India Sector 23, Raj Nagar, Ghaziabad-201002. [Online]
2. Available from: <http://www.cdscsco.nic.in/writereaddata/IPC%202014.pdf> (Accessed : 11/3/16)
3. Central Drugs Laboratory, Kolkata. [Online] Available from: <http://mohfw.gov.in/WriteReadData/1892s/CDL%20Kolkata-39841193.pdf> (Accessed: 12/3/16)
4. Organizational Structure:CDSCO[Online]. Available from: <http://cdscsco.nic.in/writereaddata/cdscsco%20org.jpg> (Accessed:12/3/16)

## SCIENTIFIC CONTENTS: PHARMACY INDUSTRY-

### LUPIN



Lupin is a transnational pharmaceutical company based in Mumbai. It holds the seventh place in the top companies with respect to market capitalization. Lupin is one of the top generic pharmaceutical companies when revenue is considered. It is considered 5<sup>th</sup> in the US market, 3<sup>rd</sup> in Indian market and ranked 4<sup>th</sup> in South Africa. It is also considered as one of the top players in Japan as well.

#### HISTORY-

Lupin Ltd was founded by Dr. Desh Bandhu Gupta in 1968, then an associate professor at BITS Pilani, Rajasthan. It was named after the “Lupin” flower due to its vision to fight life-threatening infectious diseases and to manufacture drugs of social priority. Lupin came to recognition after it became world’s largest manufacturer of anti-TB drugs. The company today has a significant market share in key markets in the [cardiovascular](#) (pills and statins), [Diabetology](#), [Asthma](#), [Pediatrics](#), [CNS](#), GI, Anti-infectives and NSAIDs therapy segments. It also has a global leadership position in the anti-TB and [Cephalosporin](#) segments. The company’s R&D endeavours have resulted in significant progress in its [new chemical entity](#) (NCE) program. Lupin’s foray into advanced drug delivery systems has resulted in the development of platform technologies that are being used to develop value-added generic pharmaceuticals. Its manufacturing facilities, spread across India and Japan, have played a critical role in enabling the company realize its global aspirations. Benchmarked to International standards, these facilities are approved by international regulatory agencies including the [US FDA](#), [UK MHRA](#), Japan’s [MHLW](#), [TGA Australia](#), [WHO](#), and the [MCC South Africa](#). In 2015, Lupin announced its intentions to take over Gavis Pharmaceuticals, Novel laboratories for 880 million dollars.

#### RESEARCH AND DEVELOPMENT-

Lupin’s research program covers the entire pharmaceutical product chain. The company’s R&D program is headquartered in the Lupin Research Park located near Pune that houses over 1400 scientists. Lupin’s R&D covers:

- Generics Research
- Process Research
- Pharmaceutical Research
- Advanced Drug Delivery Systems (ADDS)
- Intellectual Property Management
- Novel Drug Delivery (NDDS)

Biotechnology Research

#### PRODUCTS-

Lupin’s business is spread over the entire pharmaceutical value chain, ranging from branded drugs, generic drugs, APIs, biotechnological products etc

BRAND NAME	CATEGORY
Gluconorm	Anti-diabetic
Tonact	Cardiovascular
Budamate	Anti-asthma
Akt	Anti-TB
Ramistar	Cardiovascular
R-cinex	Anti-TB
Clopidab	Cardiovascular

Other than the above listed categories Lupin manufactures products in Gynaecology, CNS, Anti-diabetic, Anti-infective, Gastrointestinal Category also.



#### AWARDS AND ACCOMPLISHMENTS-

YEAR	AWARD
2015	Outstanding Company of Year
2014	Best entrepreneur, Lifetime achievement, Best CFO in pharmaceutical sector awards
2012	Outstanding Export, Indian pharmaceutical company of year
2011	Listed in top 3 best companies to work for, Hall of Fame award

*Problems are not stop signs, they are guidelines.*

**MILESTONES-**

In 2015, Lupin took over Gavis pharmaceutical, New Jersey; Biocom, Russia & Mediquimica, Brazil.

In 2013, Lupin started a new plant at Nagpur. They took over a Philippines company in 2009 and one Australian and south African country in 2008.

In 1999 they formulated injectable Cephalosporin, In 1989 production of Ethambutol was started.

**NO. OF EMPLOYEES-** 15000 plus

**TOTAL REVENUE-** 2.06 billion USD

**MAJOR MANUFACTURING PLANTS** in India are located in Mandideep, Aurangabad, Tara-

pur, Ankleshwar and Goa.

Lupin has the Asia's only FDA approved fermentation plant for Rifampicin.

**CONTACT INFO:**

Lupin Ltd.

B/4 Laxmi Towers, Bandra Kurla Complex, Bandra (E),

Mumbai 400051, India

Phone : +912266402222



पेड़ – पौधे मत करो नष्ट,  
साँस लेने में होगा कष्ट.



*Failure will never overtake me if my determination to succeed is strong enough.*