

PHARMAVOICE..

AISSM SOCIETY'S COLLEGE OF PHARMACY NEWSLETTER ...



VOL. 1 ISSUE 2

OCT. - DEC. 2015

EDITORIAL

With great joy we present to you the second issue of the Newsletter, PHARMAVOICE, the issue for the second quarter of academic year 2015-2016.

It is said, "Leadership is the capacity to translate vision into reality". Most of us do learn the hard way that leadership is not merely to have a vision. Anyone can dream to be a leader but an effective leader needs to know how to lay down plans and actions so that the vision can be fulfilled. Dear friends, our newsletter has a sole purpose of making you equipped and informed about where you are going to stand in the pharmaceutical industry in a few days, and to make you capable of leadership in all avenues. We have tried, along with the Institution, to take definite steps, as a team, to compile and present to you in this Newsletter, the current happenings in our college, and also in the industry, to guide you and keep you updated.

Recently, we had successfully organized 'RANANGAN 2015', annual sports meet, and had overwhelming response from all the classes. We also had excellent year in the National Pharmacy



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)

Week 2015, organised by the Indian Pharmaceutical Association, and emerged victorious by bagging two trophies. This quarter has been eventful, and we present to you the details of these events in this newsletter.

The year 2015 has been a challenging and a rewarding year as well. We, the committee, hope it gives you immense pleasure while you go through the pages of this newsletter. Wish you all **HAPPY, HEALTHY AND PROSPEROUS NEW YEAR 2016.**

All India Shri Shivaji Memorial Society's
College of Pharmacy
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1. A Road safety drive was organized by National Service Scheme (NSS) Unit between 24th Sept to 31st October 2015. Various activities like road safety awareness rally, traffic control assistance to the police, citizen awareness, essay competition, poster competition, etc. were conducted during this period.



2. A special lecture by Mr. Jitendra Patil, Regional Transport Officer, Pune-01 was organized by the NSS unit on 9th October 2015. He guided the faculty and students about road safety measures, traffic laws and procedures for obtaining driving license. He also inaugurated the exhibition of posters prepared for road safety awareness.



3. Faculty members, Mr. Rahul Padalkar and Mrs. Reshma N. Mirajkar (Ph.D. Category); Students, Mr. Yash Nandwani, Ms. Neha Shirude, Ms. Saishwari Natesan and Ms. Pooja Shah (UG Category); Ms. Ashwini Kadam, Mr. Ashish Gaikwad, Ms. Gyce Mariam and Mr. Kanhaiya Darak (PG Category) participated in the zonal level AVISHKAR competition organised at Allana College of Pharmacy, Pune on 14th October 2015.

4. M. Pharm. students Vijay M. Pawar and Rohini Bhingole presented poster at the National Conference on “Nanotechnology in Drug Delivery Research Innovations, Challenges and opportunities” held at SPP School of Pharmacy and Technology Management, SVKMs NMIMS, Mumbai on October 16-17, 2015.

5. An Environmental Sciences field trip was arranged for second year B. Pharm. (Sem III) students on 31st October 2015 at Bhimashankar, Ambegaon. 66 students were accompanied by 03 staff members Mrs. Vidya Wable, Mrs. Swati Kolhe and Dr. Mithun Bandiwadekar. Students visited Avasari ghat and Bhimashankar forest situated in Ambegaon, Pune. Dr. Swapnil Seth, Dr. Mardikar and Dr. Kulkarni acquainted the students with wild life and animal habitats and also provided information about medicinal plants.



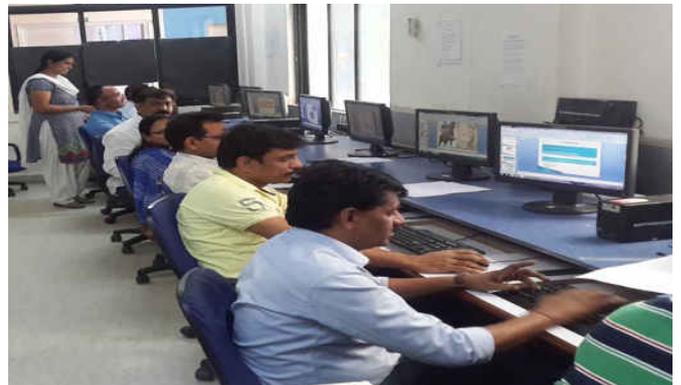
6. College sports week was organized between 2nd-6th Nov. 2015 for all classes. The Sports week included various intracollegiate events viz. Cricket, Football, Badminton, Volleyball, Throwball, Carrom, Chess, Rangoli, Flower arrangement, Collage, arm wrestling, Table Tennis, handwriting, Basketball, Mehendi.



7. Our college conducted 'Essay competition' as a part of 54th National Pharmacy Week celebration organized by Indian Pharmaceutical Association on 13th October 2015. An overwhelming response was received under three different categories. The topic was "Responsible Use of Antibiotics Saves Lives". There were 15 participants from 08 colleges under the Diploma cate-

gory, 37 UG participants from 19 colleges and 19 PG candidates from 10 colleges. A winner and runner up was selected from each category by respected judges Dr. Amol Kulkarni, Associate Professor, Siddhant College of Pharmacy and Mrs. Leena Jagtap, Assistant Professor, D. Y. Patil Institute of Pharmacy, Akurdi. The event was successfully co-ordinated by Dr. S. V. Bhandari in association with Mrs. Shivani Rao, Mrs. Rashmi Jadhav and Mrs. Rucha Kulkarni under the guidance of Principal, Dr. Ashwini R. Madgulkar.

8. A Skill Development Programme on 'Computer Applications' was organized for Non-teaching staff members between 2nd December – 17th December 2015. The session was conducted by our faculty Dr. S. V. Gandhi, Mrs. S. M. Patil, Mrs. R. C. Yadav, Mr. Jitendra Gajbe and Mrs. Rucha Kulkarni on various modules viz., MS word, MS Excel, MS Powerpoint and advances in information technology.



9. A Guest lecture on "Careers in Pharmacy" was organised for Final year B.Pharm. students on 16th December 2015. Mr. Ravi Waware from IVAR Consultants Pvt. Ltd. delivered a talk on career opportunities and skill requirements for career growth.

10. Postgraduate students Ajinkya Deosthali, Yogesh Gandhi, Sunny Salunke, Ganesh Sarovar, Mahesh Thakare, Abhishek Ogale, Priyanka Ghone, Namrata Gujar, Vrushpriya Habde, Supriya Darandale from Department of Quality Assurance Techniques and Sachin Dhavale from Department of Pharmaceutical Chemistry attended 67th Indian Pharmaceutical Congress at JSS University, Mysuru (Karnataka) between 19th -21st December 2015. Students presented their research work in poster presentation and also visited Pharma Expo which in-

cluded recent pharmaceutical industrial instruments and devices and new techniques like chemometry.



STUDENT ACHIEVEMENTS



1. Ms. Gyce Mariam, Mr. Kanhaiya Darak (PG level) under the guidance of Dr. M. R. Bhalekar and Ms. Saishwari Natesan and Ms. Pooja Shah (UG Level) under the guidance of Mrs. Amruta N. Avalskar got selected for next level (University level) AVISHKAR competition. The selection was done at zonal level AVISHKAR held at Allana College of Pharmacy, Pune on 14th October 2015.



2. Ms. Gyce Mariam and Mr. Kanhaiya Darak under the guidance of Dr. M. R. Bhalekar cleared first round of University level AVISHKAR competition held at Savitribai Phule Pune University, on 11th December 2015. under Postgraduate category.



3. The college celebrated the National Pharmacy Week by participating in various intercollegiate competitions like Quiz, Essay, Detailing, Extempore, Drawing, Interview Skills, Debate, Whats App Message, Elocution, Poster Presentation, Oral Presentations, Patient Counselling, Mad Ad, Group Discussion, General Aptitude organized by Indian Pharmaceutical Association (IPA) between 12th-17th October 2015 at various Pharmacy colleges. A total of 44 undergraduate and postgraduate students of our college participated in this event. Our students received various prizes in all these competitions

SN	Event	Organizing College	Winner/ Runner Up	Guided By
1.	Debate Competition	SCES Indira College of Pharmacy Tathawade	Runners up (PG)- Pallavi Shirsat and Neeraja Sathe (M. Pharm. Sem I)	Dr. S. V. Gandhi
3.	Essay Competition	AISSMS College of Pharmacy, Sangamwadi	Runners up (UG) - Kshamita Subedar (Fn.Yr) Winner (PG)- Pallavi Shirsat (M. Pharm. Sem I)	Mrs. S. H. Rao
4.	Quiz Competition	MCE Society Institute of Pharmacy(Diploma), Camp	Winner (UG)- Yash Nandwani (T.Y) and Aman Padamsey (S.Y)	Mrs. K. D. Asgaonkar
5.	Pharma-Detailing Competition	JSPM Jayawantrao Sawant COP, Hadapsar (Diploma)	Runners up (UG)- Pooja Mungi (Fn.Yr) Runners up (PG)- Abhilash Ghanwat (M. Pharm. Sem I)	Mr. R. R. Padalkar
6.	Extempore Competition	Abhinav College of Pharmacy (B.Pharm), Narhe	Runners up (PG)- Pallavi Shirsat	Mrs. S. U. Kolhe
7.	Interview Skill Competition	Sinhgad College of Pharmacy, Wadgaon	Winner (UG)- Kshamita Subedar (Fn.Yr) Winner (PG)- Pallavi Shirsat (M. Pharm. Sem I)	Dr. S. V. Bhandari
8.	Whatsapp Best Quote	JSPMs Jayawantrao Institute of Pharmacy, Tathawade (Diploma)	Winner (UG)-Shubham Lahoti (T.Y)	Dr. M. M. Bandiwadekar

COLLEGE ACHIEVEMENTS



The college bagged the First place in overall championship in Post Graduate Level and Runner's up trophy in Under Graduate level of National Pharmacy Week organized by Indian Pharmaceutical Association (IPA) between 12th -17th October 2015 at various Pharmacy colleges.



UPCOMING EVENTS



- A special camp of the National Service Scheme unit has been scheduled during 16th-22nd Jan 2016 at village Daundaj, Tal Purandar, Dist Pune.
- METxplore Competition to be held at MET College of Pharmacy, Nashik on 13th January 2016.
- Personality development program for Final year B. Pharm. has been organized in month of January 2016
- Entrepreneurship Development Programme is planned in the month of January 2016.
- One day state level seminar sponsored by Savitribai Phule Pune University on topic "Role of Medicinal Chemist and Phytochemist in drug discovery", to be conducted in second week of February 2016.

- One day workshop on Personality Development” (for girls only) under Vidyarthini vyaktimahatav vikas yojana of Savitribai Phule Pune University will be conducted in February 2016.
- Alumni Meet organised by AISSMS Pharma Graduate Association (APGA) is scheduled on 6th February 2016.
- The Gathering-SPANDAN has been scheduled between 16th -17th Feb. 2016
- College Prize Distribution ceremony is scheduled on 18th Feb.2016
- Industrial visit for Final year B. Pharm & S. Y. M. Pharm.is planned in February 2016

DID YOU KNOW: IRRATIONAL USE OF ANTIBIOTICS



1. The rational use of drugs ensures that the patients receive medications appropriately according to their clinical needs, in doses that meet their own individual requirements for an adequate period of time, at the lowest cost to them and their community.
2. Antibiotics are the most important weapons for the treatment of many infectious diseases caused by bacteria but if used irrationally increases treatment cost, interfere with patients normal flora and increases incidences of untoward side effects.
3. Antimicrobials are the great discovery of the 20th century. But the miracle seems to be fading away. Inappropriate use of these life--saving instruments has resulted in many problems. On the other hand, not many new antimicrobial molecules have been discovered since the 1980s and funding on antimicrobial research is on the decline. Now, we have to fight against the irrational use to save these important discoveries from extinction.
4. The increasing resistance due to-
 - 70-90% resistance to original 1st line antibiotics for dysentery (shigella), pneumonia (pneumococcal), gonorrhoea, and hospital infections (Staph. Aureus)
 - Over-use & incorrect use medicines
 - Over half of all prescriptions are inappropriate or incorrect
 - Over half of all medicines are not taken correctly by patients



SCOPE OF PHARMACY-GOVERNMENT SECTOR: DIRECTOR IN CENTRAL DRUGS LABORATORY



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.

They also play a pivotal role in the preparation, maintenance and archiving of the country's drugs and cosmetics standards.

Central Drugs Laboratory (CDL), Kolkata.

Also called: Central Food Laboratory

Address: 3 Kyd Street, Kolkata-700016

The Central Drugs Laboratory, Kolkata is the national statutory laboratory of the Government of India for quality control of Drug and Cosmetics and is established under the Indian Drug & Cosmetics Act, 1940. It is the oldest quality control laboratory of the Drug Control Authorities in India.

EMPLOYED BY:

The laboratory functions under the administrative control of the Director-General of Health Services in the Ministry of Health and Family Welfare.

The Director is employed by the Central Drug Standardization Organization (CDSCO)-India and reports directly to the Drug Controller General of India.

SCOPE:

CDL Kolkata is actively engaged in analytical quality control of most of the imported drugs and being at the helm of the laboratory, one can expect a challenging and rewarding career through exposure to a variety of products in today's diverse International market.

The director also plays a major steering role in the lab's collaborations with the World Health Organisation in the preparation of International Standards and Specifications for the International Pharmacopoeia, along with discharging his duties as the top-most officer of this acclaimed drug laboratory of the country.

ELIGIBILITY:

A. ACADEMIC:

M.Sc. Degree in Chemistry or Biochemistry or Pharmaceutical Chemistry or Pharmacology or Bacteriology of a recognized University or equivalent (Doctorate Degree preferred).



B. EXPERIENCE:

- About fifteen years' research experience with publications, including ability to direct research.
- Adequate training or experience in the method and organization of drugs testing and standardization.
- Adequate administrative experience preferably in research or analytical laboratory with experience of setting up and running a laboratory and coordinating the activities of different branches and sections of it.

NOTE-I:

Qualification of associateship of Institute of Chemists, Kolkata is treated as equivalent to M.Sc. degree in Chemistry.

NOTE-II:

About 15 years' experience' means a minimum experience of more than 14 years but may fall below 15 years i.e. in the range of 14+ years to 15 years. A minimum period of 3 years' training or experience in the method & organisation of drug testing and standardization out of total 15 years' experience is treated as adequate.

The administrative experience should also cover experience of heading or supervising any technical division in Laboratory or industry for 10 years.

AGE LIMIT AS ON CLOSING DATE OF APPLICATION: Not exceeding 50 years

EXAMINATION/APPLICATION:

Online recruitment applications must be made at the UPSC website.

Available from: <http://www.upsconline.nic.in>

PAYSCALE:

Basic: Rs. 37,400-67,000 + Rs.8700/- (Grade pay)

Total: Rs.76, 065/-

DUTIES:

The Director is the overall in-charge of the Laboratory. He/She has the responsibility to provide an environment in which quality work can be produced. He/She is the appointing authority of all the employees till the scale of Group B (Non- Gazetted officers) to be filled by direct or promotional avenues. He/She is also empowered to take decision on purchase of equipments and contingent grant for the amount of Rs 5 lakhs or below.

His duties include:

- Test drugs samples received from Court of Law, Assistant Drugs Controller at Ports, Central Drugs Inspectors and State Drugs Inspectors and other sources.
- Set and monitor standards for qualification of lab personnel.
- Train Drug Analysts working in Central/State Government laboratories and also WHO fellows on modern methods of analysis of drugs.

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- Procure, standardize, maintain and distribute reference standards.
- Conduct research work for amending or replacing existing methods of analysis by more sophisticated and precise methods.
- Guide, supervise and coordinate the activities of different sections of the laboratory to achieve the above mentioned functions.

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1. Pharmatutor: 'Required: Director in Central Drugs Laboratory through Union Public Service Commission' [Online] Available from: <http://www.pharmatutor.org/pharma-jobs/vacancies/may12/require-director-in-central-drugs-laboratory-kolkata-by-upsc-government-job>
2. Central Drugs Laboratory, Kolkata. [Online] Available from: <http://mohfw.gov.in/WriteReadData/1892s/CDL%20Kolkata-39841193.pdf>
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SCIENTIFIC CONTENTS: PHARMACY INDUSTRY-**SERUM INSTITUTE OF INDIA PVT. LTD.****Tag Line- World Class Products World Class Care**

Serum Institute of India Pvt Ltd. is the world's largest manufacturer of vaccine. It produces approximately 1.3 billion doses of vaccines annually which include Polio vaccine as well as Diphtheria, Tetanus, Pertussis, Hib, BCG, r-Hepatitis B, Measles, Mumps and Rubella vaccines.

Serum Institute of India is ranked as India's No. 1 biotechnology company, manufacturing highly specialized life saving biologicals like vaccines using cutting edge genetic and cell based technologies, antisera and other medical specialties.

HISTORY:

Serum Institute of India was founded in 1966 by Dr. Cyrus Poonawalla with the aim of manufacturing life-saving immuno-biologicals, which were in shortage in the country and imported at high prices. Thereafter, several life-saving biologicals were manufactured at prices affordable to the common man and in abundance, with the result that the country was made self-sufficient for Tetanus Antitoxin and Anti-snake Venom serum, followed by

DTP (Diphtheria, Tetanus and Pertussis) group of Vaccines and then later on MMR (Measles, Mumps and Rubella) group of vaccines.

Serum Institute has established the most modern laboratories with high-tech machinery and computerized equipment for the production and testing of its life saving biologicals. Serum Institute's commitment to global health is exemplified by significant investments in its infrastructure. The production facilities are continuously upgraded to ensure compliance with cGMP regulations and have been accredited by the World Health Organization, Geneva.

Serum Institute has large bio-reactors for manufacturing voluminous batch sizes of 2 to 4 million doses of its vaccines and facility for lyophilization of parenterals. The facilities developed to meet the internationally accepted environmental standards are state-of-the-art and comply with BSL-2 and BSL-2+ standards. Equipment providing Class 100 and Class 10,000 conditions are electronically controlled.

KEY ACHIEVEMENTS :-

Serum Institute has crossed many milestones in technological advancement by installing robotic arm for virus handling, cell factory and cell cube for growing cells, facilities for the manufacture of polysaccharide and recombinant vaccines and for monoclonal antibodies. Below are few of the many awards the institute has received:

1. The Pan American Health Organization (PAHO) and the Pan American Health and Education Foundation (PAHEF) presented Dr. Cyrus S Poonawalla with the Award for "Excellence in Inter-American Public Health".
2. The "No.1 Biotech Company of the Year" Award for being presented to Dr. Cyrus Poonawalla. Serum Institute of India has received the award four consecutive years from 2006 to 2009.
3. The Ernst and Young (E&Y) Award for Health and Life Sciences, 2007 being awarded to Dr. Cyrus Poonawalla.
4. The Pan American Health Organization (PAHO) and the Pan American Health and Education Foundation (PAHEF) have presented Dr Cyrus S Poonawalla, with the Award for "Excellence in Inter-American Public Health", making him the first Indian to get this prestigious honor in Washington DC, USA on 29th September 2010.
5. Dr. Poonawalla was awarded Asian Award for the "Business Leader of the Year" at Grosvenor House, London on 4Apr 14.
6. Dr. Cyrus Poonawalla was conferred with the 26th Punyabushan award [Pride of Pune] at the hands of Shri. Sharad Pawar and Shri. N. R. Narayana Murthy at Balgandharva Rangamandir, Pune on Sunday, 9th Nov. 14.
7. Dr. Cyrus Poonawalla was awarded the CHEMTECH "Lifetime Achievement Award" at the CHEMTECH PBW Leadership & Excellence Awards held on 28th January 2015 at Mumbai. The award was presented to Dr. Cyrus Poonawalla by His Excellency, Mr. C. V. Rao, Hon'ble Governor for the State of Maharashtra.

R&D efforts are focused on developing vaccines that will meet the specific needs of different segments of the global population (e.g. development of the Meningococcal A Vaccine in collaboration with WHO and PATH for sub-Saharan Africa, development of Pandemic Influenza Vaccine) as well as on improving methods of vaccine delivery for its present range of vaccines viz. use of jet injectors, aerosol delivery, dry powder inhalation delivery etc. An example is the development of Aerosol Measles Vaccine which allows respiratory delivery of currently licensed Measles Vaccine, to



Dr. Cyrus S. Poonawalla
Chairman and Managing Director

make it a vaccine that is more safe, immunogenic, inexpensive, needle-free and easier to administer than an injection.

PRODUCTS:

Serum institute has a variety of products specially manufactured, marketed and exported. A few of these include Bacterial Vaccines (Turbovac, Tetanus), Viral Vaccines (M-Vac, Polio vac), Recombinant & Combination Vaccines (Pentavac, Genevac), Meningococcal A Conjugate Vaccine (M-Vac), Anti-Sera & Other Products (Sii Polyvalent Anti Snake Venom Serum, Repoitin-PFS).

Some products of Serum institute which are in pipeline which include RotaVirus Vaccine, DTaP, Pentavalent Meningococcal Conjugate Vaccine, Recombinant Human Granulocyte Colony Stimulating Factor Vaccine, ErepoXen (Polysialylated Erythropoietin) Vaccine, Pneumococcal Polysaccharide Conjugate Vaccine, Purified Vero Cell Rabies Vaccine, Rabies Human Monoclonal Antibody, HPV Vaccine.

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