



PHARMAVOICE

College Newsletter...

VOL 4 ISSUE 4

APR - JUNE 2019

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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EDITORIAL

“Things turn out best for people who make the best out of the way things turn out.” –Art Linkletter

Welcoming you all to this last issue for this year's Pharmavoice. We as noble professionals look to keep a vision of creating the best out of every situation and by taking up every challenge that comes in our way, creating an ocean of opportunities.

As rightly said that ***“Every new beginning comes from some other beginning's end”*** as our students from final year M. Pharm and B. Pharm will be ending up with their college life and they would be soon entering the corporate world. We are sure they would keep achieving greater heights and create a mark for themselves in the bright future that lies ahead. As a pharmacist working towards well-being of human life, maintaining a health conscious mindset for a disease –free environment is our ultimate aim and we must swear by it each day. We the members of Pharmavoice wish all the students good luck for their future endeavors.

Keep scrolling to catch up on some elucidating insights and updates!

Happy reading,

Team Pharmavoice



TEAM PHARMAVOICE

(Sitting From L to R)

Ms. Sayali Sheth (M. Pharm. I year)

Dr. Santosh Gandhi (Faculty Member)

Dr. Ashwini R. Madgulkar (Principal)

Mrs. Shital Patil (Faculty Member)

Ms. Nishigandha Yadav (M. Pharm. II year)

(Standing From L to R)

Ms. Kshitija Abhang (B. Pharm. I Year)

Ms. Samruddhi Pande(B. Pharm. II Year)

Mr. Saurabh Rohom (B. Pharm. III Year) Mr.

Vaibhav Ghegade (B. Pharm. IV Year)

NEWS & EVENTS



1. PEER LECTURES FOR FACULTY: To improvise acquaintance and encourage interdisciplinary research peer lectures were arranged on different topic for the staff members. This is second session of the academic year 2018-19. The session was conducted during 04/04/2018 to 08/04/2019. The schedule was as follows:

Sr. No	Date	Name	Topic Name
1	04/04/2019	Dr. T. S. Chitre	Anti-TB Drug Development
2	05/04/2019	Mrs. Rucha Kulkarni	Cell Analyzer
3	08/04/2019	Mr. R. R. Padalkar	Taste masking and mouth dissolving DDS

Life is 10% what happens to you and 90% how you react to it.
Charles R. Swindoll

2. SEND-OFF PARTY FOR B PHARM: Farewell Party for the batch passing out in 2018-19 was organized on 10th April 2019. Third Year B. Pharm students formed various committees like food, invitation, Decoration, photography and documentation. This year we had applied to the society for approving the budget for the expenses and AISSMS Society, as always had generously approved the budget for the Farewell. The formal function was conducted in well decorated auditorium with speeches of the students of Third Year B. Pharm and Final Year B. Pharm as well as few faculty members. Thus expression of thoughts with some entertainment followed by heavy snacks and cake was the overall schedule of the programme.



3. PRIZE DISTRIBUTION FUNCTION- Annual Prize Distribution ceremony was organized on 17th April 2019 at college auditorium. Students participate in various college and inter college events throughout the year. Winners in following events were felicitated: sports, cultural, academic examinations, GPAT, NMAT, GRE, TOEFL etc. Our students have won many outside competitions like National Pharmacy Week, YPIPA, IPC Quiz, Pharma Quiz etc. These achievements were also cherished. Apart from this, students who are part of various committees and do related administrative work like NSS, APGA, Students Council, Pharma News Letter, heads of Cultural and Sports Committees, Class Representatives etc were also felicitated. Mr. Vaibhav Ghegade was awarded as The Best Outgoing Student. The awards were given at the hands of Principal Dr. Ashwini R Madgulkar and staff members. The event was co-ordinated by Mr. Rahul R Padalkar, Dr. Mithun M Bandiwadekar and Dr. Shashikant V Bhandari.



4. IPR DAY: Intellectual Property Right day was celebrated on 18th April 2019 at AISSMS College of Pharmacy. Mrs. Prerana Dongre, working as Assistant Professor and Coordinator “Indira IPR cell”, at India

College of Pharmacy, Pune was called for delivering lecture on this occasion. Under the umbrella of “Indira IPR cell”, Mrs. Prerana conducts various Intellectual Property Right (IPR) awareness programs for students and teaching fraternity, provide guidance to the individuals and the companies regarding patentability of their inventions. She is also recognized as a Patent facilitator by the Indian Patent Office for the “Start-up India” initiative.

Mrs Prerana gave a very informative lecture, which was attended by about M. Pharm students and staff members. She gave basic insights for M. Pharm students regarding patent search for dissertation to be done as a part of literature search. The lecture was very interactive and appreciated by all the participants.

5. HR MEET: HR Meet was organized on 19th April 2019 at PYC Deccan Gymkhana for all institutes in the RTO campus by the media co-ordinators of AISSMS jointly with **National Institute of Personnel Management (NIPM)** and with the support of **Mr Rahul Yadav, Governing Council member and Mr. Nikhil Khandse, Chairman, College Development Committee**. The Training and Placement cell of AISSMS College of Pharmacy was actively involved in co-ordinating with representatives of pharmaceutical companies. Chief Guest for the event was **Mr. H.N. Shrinivas**, CEO vocational skill development at Tata Institute of Social Sciences and also Advisor and Consultant at Tata Trusts who delivered the plenary lecture.



Other guests included, **Mr. Umesh Joshi**, Chairman, NIPM, Pune Chapter and Executive Director, Sigma Electricals, **Mr. Narendra Patil**, Secretary, NIPM, Pune Chapter and Vice President, Maxion Wheels. Hon. Joint Secretary, AISSMS, **Shri Suresh Shinde** and Hon. Treasurer, **Shri Ajay Patil** also graced the function along with heads of all institutes under the AISSMS banner. The event was anchored by **Dr. Monica RP Rao**, program scheduling and hall arrangements was coordinated by **Mr. Rahul Padalkar and Mr. Jitendra Gajbe** under the supervision of **Principal, Dr. Ashwini R Madgulkar**. Many reputed pharma companies participated which included, Serum Institute of India, Emcure Pharmaceuticals, NuLife Pharmaceuticals and Fresenius Kabi, to name a few.

6. SHORT TERM TRAINING PROGRAMME THROUGH ICT MODE: Dr. S. V. Gandhi (Professor) and Mrs K.D. Asgaonkar (Assistant Professor) from Pharmaceutical Chemistry department were selected for a Faculty development programme on “NBA Accreditation” Organized by AISSMS IOIT, Pune and conducted by Dr. Rayapati Subbarao (NITTTR, Kolkata). FDP lasted for five days from 22/4/2019- 26/4/2019 wherein all the details regarding requirements and process of NBA were discussed in

detail. About 50 participants from different institutes participated in this programme.



7. FAREWELL FOR M. PHARM final year students (2018-19) was organized on 10th May 2019 in AISSMS College of Pharmacy. The event was compered by Miss Pradnya Shirude, Pooja Kalaskar, Sanskar Mahajan, Sanket Basate and Krishna Wadekar A song by Sadiccha Wani M Pharm Chemistry set the tone of program. There were various programs like cake cutting, interactive sessions with teachers and photo show down the memory lane. The function ended with vote of thanks by Ms. Jyoti Galande. There was a farewell song sung by Mr Akshay Kale (Quality assurance) accompanied on guitar by Sanskar Mahajan. Best outgoing student award was given to Shivani Chaudhari M Pharm QA, at the hands of Dr Ashwini Madgulkar.



8. INDUSTRIAL VISIT TO EMCURE, BHOSARI, PUNE ON 15TH MAY 2019- The industrial visit started at 11.00 am. with introduction of all the faculty of AISSMS College of Pharmacy with the group leaders of Analytical/ R and D/ QA along with head of HR department. This was followed by corporate presentation given by Dr. Vikram Gharge, Head R and D, wherein overall information, locations, products of Emcure were presented. This was followed by Technical presentation by Dr. Vikram Gharge wherein specific case studies in R and D was discussed. Round of R and D facilities was taken which included round to Stores, Packaging, Semisolid formulations, Liquid orals, Injectables, Analytical and QA departments. This was followed by lunch session. Post lunch discussions with R and D group leaders / group leaders of Analytical and Formulation department was done. The factory visit was done by following Staff members: Dr.M.C.Damle, Dr.M.R.Bhalekar, Dr.S.V.Bhandari, Dr.M.R.P.Rao, Dr.S.V.Gandhi, Dr.S.V.Tembure, Dr.T.S.Chitre.



9. FACULTY DEVELOPMENT PROGRAM (FDP) was organized on 14.06.2019 by Dr. Monica RP Rao, IC- Faculty development Program. The trainer for the same was Mr. Manoj Vanjari of Fantabeans Learning Solutions. The topics covered included: 1. Collaboration at workplaces and 2. Strategy and Planning. The trainer used a combination of presentations and group activities to cover the topics.



10. YOGA DAY: The fifth International Yoga day was celebrated on Friday, 21st June 2019 at 8.30 a.m., on lawns opp. AISSMS college of Management. The International Yoga day, this year for all the AISSMS campus was organized by AISSMS College of Engineering. The yoga practitioners from 'Bharatiya Yoga Sansthan', Pune were invited for the programme and one hour of programme was conducted as per the government protocol. The entire teaching and non teaching faculty as well as students performed Yoga as per the given instructions along with Principal Madam.



*You can't cross the sea merely by standing and staring at the water.
Rabindranath Tagore*

11. CHHATRAPATI SHAHU MAHARAJ JAYANTI: The AISSMS group of institutes celebrated Jayanti of Rajashri Chhatrapati Shahu Maharaj in the auspicious presence of Dr. V. D. Karad, Founder President and Director, MAEERS MIT, Pune. He paid tribute to the great work done by Chhatrapati Shahu Maharaj. Shri. Malojiraje Chhatrapati, Shri. Suresh Shinde, Shri. Ajay Patil graced the occasion. Faculty and students were felicitated for their achievements.



12. NIRMAL WARI ABHIYAN: Nirmal Wari Abhiyan was organized by NSS department of Savitribai Phule Pune University during various stages of journey of the wari (annual pilgrimage) from Alandi to Pandharpur. NSS Unit of our college was given responsibility to help and pilgrims and maintain cleanliness at Nana Peth area of Pune city where the pilgrimage was at halt on 27th Jun 2019. NSS volunteers participated actively in the task. The work started at 9am. Volunteers picked up garbage from the streets at corners and collected into dust bin bags. They helped the pilgrims in finding the addresses, showing them food and rest room facilities. They also helped in dressing minor wounds and counselling regarding medicines. NSS volunteers helped in cooking and by working simultaneously they reduced the working time to prepare food for hundreds of pilgrims. They also served the foods and picked up the plates afterwards. The volunteers worked till the late evening and also helped to co-ordinate the road traffic. There was free distribution of essential medicines during Wari. The activity was co-ordinated by Program Officer Mr. Rahul Padalkar with the help of Dr. Sachin Tembhurne under the guidance of Dr. Ashwini Madgulkar.



Problems are not stop signs, they are guidelines. Robert H. Schuller

13. TRAIN THE TRAINERS (ENVIRONMENT CONCERN): In order to explain Ramnadi Restoration Mission (RRM) a workshop was organized by the Kirloskar group enterprise on Saturday, 30th June 2019. Two students and one faculty (Dr. S. V. Gandhi) of AISSMS college of pharmacy, Pune visited to Kirloskar Institute of Advance Management Studies College to attend the seminar on restoration of Ramnadi river which is one of the five rivers of Pune, Maharashtra. Inauguration of workshop was done at the hands of Gauri Kirloskar and Madhav Chandrachud. A brief introduction about the programme was given by Virendra Chitrav. A film on Ramnadi was shown. Seminar on restoration was presented by Dr.Sachin



UPCOMING EVENTS



- Orientation program for new batch of B. Pharm. and M. Pharm. students will be organized in second week of August 2019.
- Freshers party has been planned in August/September 2019 by Second Year B.Pharm Students for First year and directly admitted Second Year B.Pharm students
- The Parents Meet for the parents of S.Y., T.Y. and Final year B. Pharm. students is scheduled on 30th August 2019.
- The regular academic schedule for F. Y. B. Pharm. will commence on 1st August 2019.
- The regular academic schedule for S. Y., T. Y. And Final Yr. B. Pharm. will commence on 1st August 2019
- Flag hosting to be done on Independence Day.
- Swachha Bharat Abhiyan will be celebrated on 1-15th August 2019 by
- Fort visit is planned in the third week of August 2019
- Unity Day celebration is planned on 31st October 2019

STUDENTS' ACHIEVEMENTS



**The Toppers of B. Pharm April/May 2019 Examination
First Year B. Pharm**

SN	Name of Student	SGPA
1	Abhang Kshitija	8.621
2	Bakhle Bhairavi	8.379
3	Vaidya Shruti Vaidya Aditi	8.345

Second Year B. Pharm

SN	Name of Student	SGPA
1	Samruddhi Kelkar	8.464
2	Shivanjali Jadhav	8.321
3	Shruti Gaikwad	8.071

Third Year B. Pharm

SN	Name of Student	SGPA
1	Ombase Aarti	8.226
2	Brinda Nadar	8.065
3	Kulkarni Atharva	8.000

Final Year B. Pharm

SN	Name of Student	CGPA
1	Ghegde Vaibhav	8.123
2	Chaudhari Vimla	7.983
3	Salunkhe Prerana	7.962

M. Pharm (Sem II)

SN	Name of student	Branch	SGPA
1	Nisha Thange	Pharmaceutics	9.69
2	Manju Athavle	Pharmaceutics	9.54
3	Rohit Kharade, Tejas Athavle	Pharmaceutics	9.38
	Jyoti Galande Shradha Chaudhari	Quality Assurance Tech.	
	Rucha Munot, Sadeechha Wani	Pharma Chemistry	

Branch wise Toppers for M. Pharm Sem II May-JUNE 2019 examination

SN	Name of student	Branch	SGPA
1	Nisha Thange	Pharmaceutics	9.69
2	Manju Athavle		9.54
3	Rohit Kharade, Tejas Athavle		9.38
1	Jyoti Galande, Shradha Chaudhari	Quality Assurance Tech.	9.38
2	Kajal Kabra, Nivedita Pawar Shubhada Jagdale, Pushpraj Patil		9.08
3	Priyanka Pardeshi		9.00
1	Rucha Munot, Sadeechha Wani	Pharma Chemistry	9.380
2	Khandare Shweta, Nitin Thombare		9.230
3	Priyanka Shelke		9.080
1	Dipali Hanamghar, Marudkar Prajcta	Pharmacology	8.920
2	Deshpande Shubhangi		8.310
3	Lanjekar Harshada		8.230

Setting goals is the first step in turning the invisible into the visible. Tony Robbins 9

COLLEGE ACHIEVEMENTS



The following students have been placed in the year 2018-19 through on and off campus interviews.

Year	Class	Company	Interview date	Selected students	Department
2018-19	B Pharm/ M Pharm	Sanofi, Goa (Production/QC,QA)	01.02.19 On campus	1. Akshay Dhamane 2. Anand Singhal 3. Akshay Sanklecha 4. Mohitosh Mahajan 5. Shruti Bhagwat 6. Sushant Amale 7. Rutuja Shinde (B pharm)	M Pharm, Quality Assurance (out of 26) (B pharm) (out of 14) (Package:2.1 lacs)
	M Pharm	Sanofi Syntheo Lab	29.06.19 Off campus	Mayur Mahire (QA) Akshay Pagare (QA) Sumedh Pradhan (ceutics)	R and D (Package2.1 lacs)
	M Pharm	Serum Institute of India	Off campus 28.05.19	Vishal Raskar (ceutics) Gaurav Patil (QA) Swapnil Todkar (QA)	Production Management Trainee (Package 2.8 lacs)

DID YOU KNOW: BABIES ARE BEING GROWN IN TOXIC ENVIRONMENT



- Everything in woman's body during pregnancy is transferred to the baby.
- This includes Toxins and heavy metals from the air, food, water, beauty and household products, vaccines and other pharmaceuticals that are used during pregnancy, plus those that are already stored in the body due previous exposure.
- Mom's Exposure to toxins shows up in newborn –
 - ◆ Found that many chemicals do indeed accumulate in the foetal environment and are absorbed at greater levels by foetuses than by the pregnant women themselves. This may have significant consequences for the growing foetus, since many of these chemicals are known to affect development'
 - ◆ Almost 80% of the chemicals detected in maternal blood samples were also detected in the umbilical cord samples, indicating that they passed through the placenta and entered the foetal environment, where they can pose a health risk to the developing baby.
- Toxic Exposure in Newborns-
 - ◆ Blood samples from newborns contained an average of 287 toxins, including mercury, pesticides, and chemicals from non-stick products of the 287 chemicals detected in umbilical cord blood, it's known

Knowing is not enough; we must apply. Willing is not enough; we must do.
Johann Wolfgang von Goethe

that 180 cause cancer in humans or animals; 217 are toxic to your brain and nervous system; and 208 cause birth defects or abnormal development in animal tests. Clearly, when babies are born loaded with toxic chemicals, its sign that toxic exposure is too high. Start living chemical- FREE!

- PLACENTA is doing its best, but current exposure to dangerous substances is way too much to any organ. Make sure to DETOX your body properly before having children. Including males, since toxins and heavy metals affect sperm quality.



SCOPE OF PHARMACY-INDUSTRY: PACKAGING



1. Introduction

•Now, it is not just about wrapping or

•Packaging is an economical means of providing protecting the product, it is also about attracting the presentation, protection, identification information, customers and creating an image for the product that containment, convenience and compliance for a it encloses.

product during storage, carriage, display and until the product is consumed.

•Packaging must provide protection against climatic conditions biological, physical and chemical hazards and must be economical.

•The package must ensure adequate stability of the product throughout the shelf life.

•Packaging is a major component of commercial success of any commodity worldwide. Today success of business depends on how good the packaging is.

•Packaging is an aggressive tool for marketing, which enhances the brand value and product differentiation on the shelf.

2. Qualifications

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

Graduation with minimum second class (in 12 +3 mode) with mathematics, physics, chemistry and microbiology or agriculture, food science, polymer science, engineering or technology as main subject or second subject.

The final year students are also eligible to apply. However, they shall submit their degree certificate by the time of interview or have to forego the opportunity.

*Success is getting what you want. Happiness is wanting what you get. Dale Carnegie*¹¹

B)EXPERIENCE: Minimum of 2 years of projects and recommend ways to reduce cost and experience to Maximum of 12 years in area of improve quality of all processes and provide Pharmaceuticals; Research experience in the necessary training and counseling to employees as relevant field with support of paper(s) published. per requirement.

C) DESIRABLE:

- M. Pharm, Ph.D. in any of the related fields. with all external vendors and contractors and
- Research experience in the relevant field with improve efficiency process through incorporation of support of paper(s) published. Good knowledge of new technology.
- computer applications. •Allocation of workmen on packing line in co-ordination with line officers and Engineers.

3. Responsibilities and Duties

- Analyze and determine all standards for packaging lines and ensure compliance to all schedule for meeting
- processes and develop and maintain all packing •Completing production schedule as per the plan orders effectively. with optimum utilization of resources (Man & Machine).
- Monitor and recommend improvements in Machine). processes to increase efficiency of packaging
- department and monitor inventory for warehouse •Monitoring of daily activities in packing department in order to achieve the plan.
- and maintain records of all physical transactions and •Planning of manpower requirement.
- prepare documents for same. •Procurement of spares, accessories and new equipment's and machines of packing.
- Manage all substance transactions and vault access •Monitoring of preventive maintenance schedules and annual maintenance schedule of various packing department to ensure adherence to all manufacturing machines like blister pack machine, carbonator, ink jet printer, etc.
- schedules. •Conducting training program for Officers, Machine operator and workmen.
- Maintain and ensure compliance to packaging •Deviation handling and complaint investigation. schedule and assign specific tasks to all employees
- and monitor all packing equipments and supplies. •Handling of rejects, on line rejections during packing operations and return goods.
- Coordinate with quality and warehouse departments •Handling of Standard Packing Material specification. to monitor everyday activities of units and ensure
- efficient working of both manufacturing and •Preparation of packing lists of various export packaging department and ensure continuous consignment. improvement in same.
- Manage all work according to packing schedule and •Preparation of departmental SOP's with implementation and training of same. maintain an inventory of materials and completion
- of all projects with required timeframe. •Preparation of Qualifications and re-qualifications of different equipment's and areas.
- Develop team environment in department and •Preparations of master protocol and reports of quality department. routine and non-routine validations and perform
- Coordinate with plant manager and evaluate all

these validations.

- Perform unit operation study related to packing activities.

- To raise CER's of various equipment's and accessories required for packing department. To raise and approve the indent of material required for the department.

- Co-ordination with other departments like stores, engineering, tablet, capsule, quality control, quality assurance.

- Control of daily production output.

- Follow up with purchase department for procurement of equipment, spares, accessories and new machines.

- Suggestions for development in packing department in order to reduce the man power and do the automation.

- To handle and to perform any other assignment allocated by unit head.

- Change part ordering and co-ordination for new requirement

4. Knowledge Required:

- Basic understanding of primary and secondary activities.

- Understanding of GMP guidelines.

- Knowledge of Blister Machine Operation/Bottling Operation and Manual Packaging Operation.

5. Posts Available:

i. Manager in Packaging

ii. Assistant Manager in Packaging

iii. Packaging Officer

iv. Jr. Packaging Officer

v. Packaging Engineer

vi. Head Packaging Development

vii. Associate Packaging Manager

viii. Packaging Operator

6. Courses Offered:

- ♦ Long-Term Courses

A. Post Graduate Diploma in Packaging (PGDP)

The course is suitable for fresh graduates in science / engineering who desire to make a career in packaging. The programme comprises of classroom sessions by the Institute's own and guest faculty, with visits to industries to study various packaging processes and technologies.

This course is open for all graduates in science, technology, engineering and allied fields. The admission is through an all India level entrance examination conducted in June every year in all metro cities. Admission forms are available from the month of May and the course begins in August. The course is conducted at Mumbai, Delhi, Kolkata and Hyderabad. The course has 4-semesters. 3 Semesters are at the Campus of the Institute, while during the 4th semester, students work on projects in different industries in the country. After successfully passing the required examinations held in every semester and industrial projects, the students are awarded the Post Graduate Diploma in Packaging. The qualification equips them to pursue a career in packaging in different types of industries in India and overseas.

The students join industries in various disciplines such as quality testing and evaluation, production and packaging, sales and marketing, packaging design & development and allied fields. This course has been conducted for over 25-years. Many past students are working in reputed National and International companies that come for campus placements regular.

B. Distance Education Programme

The 18 months Graduate Diploma programme is designed for working executives who are graduates in different disciplines, but need packaging knowledge by virtue of their job requirements. The Graduate Diploma in packaging Technology is accredited by the Asian Packaging Federation.

C. Certificate Course in Packaging - Intensive

Put your heart, mind, and soul into even your smallest acts. This is the secret of success. Swami Sivananda

Training Course (ITC)

The requirement of qualified professionals in the field of packaging who will understand the science of packaging as well as be in a position to guide the industries on the appropriate packaging needs of the various products exported.

As there was no educational course in the packaging sciences in the country at that time, a decision was taken by the Institute with the approval of Ministry of Commerce and Industry, Government of India, to commence an educational programme in packaging at the institute's headquarters at Mumbai in the year 1968.

The programme launched in the year 1968 has been in existence ever since. It is a professional qualification and this CERTIFICATE PROGRAMME, is duly accredited by Asian Packaging Federation (APF) of which IIP is the founder member as well as endorsed by the World Packaging Organisation (WPO).

The CERTIFICATE Programme in Packaging Technology is a three months full time course generally conducted at the Headquarters of the Institute at Mumbai as well as in the four regional offices at Delhi, Kolkata, Hyderabad and Chennai. On an average, the number of participants varies from 15 – 25 nos. at all centers. The course is conducted from a period varying from September to December of every calendar year depending on the various regional centers. The participants registering for the course are Graduates or Diploma holders in various educational fields. The students of this course are a heterogeneous mix of executives from packaging material user industries as well as converter industries and entrepreneurs planning to make a career in packaging.

CERTIFICATE Programme in Packaging Technology is a nationally and internationally recognized qualification which provides learners with a broad knowledge of the principles, materials, processes, systems and other elements of packaging production and use. Completing the course are awarded a CERTIFICATE and will be able to apply this knowledge for solving problems and making decisions associated with the technical and aesthetic performance, cost, safety aspects of packaging materials and packaged products. Course is conducted at Mumbai, Delhi, Chennai, Hyderabad and Kolkata every year between August–December.

♦ Short Term Courses:

A. Executive Development Programmes (EDP)

These are short term programmes (1-day to 1-week duration) conducted in various industrial cities in the country. These programmes are designed for working executives as well as professionals needing to update their knowledge. The topics covered in these short-term focused programmes range from package testing and quality evaluation through packaging techniques and technology used in packaging of food, pharmaceuticals, cosmetics, engineering and allied industries, as well as packaging requirements of dangerous goods and export packaging. These EDP courses help executives in updating their knowledge, enabling them to improve on-job performance.

7. Pay scale: 2.5 LPA-10.00 LPA

Education is the key to success in life, and teachers make a lasting impact in the lives of their students. Solomon Ortiz

SCIENTIFIC CONTENTS: PHARMACY INDUSTRY– ROCHE PRODUCTS (INDIA) PVT. LTD.



Roche Products (India) Pvt. Ltd. (formerly known as Roche Scientific Company (India) Pvt. **Company Vision**

Roche Products (India) Pvt. Ltd. (formerly known as Roche Scientific Company (India) Pvt.Ltd.) was incorporated in India in April, 1994 and is an affiliate of F. Hoffmann – La Roche AG. (FLHR)

F.Hoffmann-LaRocheAG

is a Swiss multinational healthcare company that operates worldwide under two divisions: Pharmaceuticals and Diagnostics. The company headquarters are located in Basel, Switzerland. The company controls the American biotechnology company **Genentech**, which is a wholly owned affiliate, and the Japanese biotechnology company **Chugai Pharmaceuticals**, as well as the United States-based **Ventana**.

Roche is the leader in oncology treatment in India; apart from cancer, Roche's has medicines in other therapy areas too: transplantation, rheumatoid arthritis (RA), and chronic kidney disease (CKD)-related anaemia. The activities of Roche in India commenced with the import of finished pharmaceutical products and bulk vitamins by Volkart Brothers and subsequently by Voltas Ltd. Later the manufacture of two pharmaceutical specialties -SARIDON® and SIROLIN® commenced after an Indian Roche entity was incorporated on 1st April, 1958

•Collaborate with all relevant stakeholders to strengthen healthcare systems and enable sustainable access to healthcare

•Transform India to become a benchmark for other emerging markets around the globe and improve the health of people beyond borders

•Inspire and impact positively the communities we interact with

•Create an environment with the highest standards of quality, safety and integrity for the benefit of our patients

Organization

Roche has 2 main divisions:

• Pharmaceuticals

As per their official website: "Roche Pharmaceuticals is focused on translating excellence in science into effective medicines for patients. It combines cutting-edge research at Roche, Genentech in the US, Chugai in Japan and over 150 partners worldwide with global scale and reach in clinical development, manufacturing and commercial operations. Thanks to the Pharmaceuticals Division's broad-based portfolio, Roche is one of the world's leading providers of clinically differentiated medicines."

A key to achieving success is to assemble a strong and stable management team. Vivek Wadhwa

Roche claims that it is the world's largest biotechnology company and the world's leading provider of cancer treatments.

•Diagnostics

As per their website: “**Roche Diagnostics India** is the country's in-vitro diagnostics market leader. The Company started its India operations in January 2002 and provides diagnostic testing for early detection, evaluation and monitoring of disease. The Company's largest business unit, **Centralised Diagnostics** has been the pioneer in developing new technologies, and supplies integrated solutions for clinical laboratories. The Company's HIV, HbsAg, Anti HCV, TORCH Panel, AMH and Sepsis markers like Pro-Calcitonin and IL6 among several others have played a pivotal role in disease detection....” **Molecular Diagnostics** represents Roche Diagnostics India's second largest business unit. Through its Molecular Diagnostics solutions, the Company has been introducing to India new ways to use Polymerase Chain Reaction (PCR) to diagnose disease and monitor response therapy. Roche Diagnostics India offers diagnostic and research solutions through two other business units, respectively Tissue Diagnostics and Custom Biotech.

Board of Directors:

Director: Shravan Subramanyam

Director: Andrea Keller Gottlieb

Alternate Director: Shivprasad Madhao Laud

Product Range

FHLR initially appointed Nicholas Piramal India Ltd. (NPIL) in 1994 as authorized Distributor in India for some products of Roche. However, thereafter FHRL has appointed a new Distributor in India viz. Taksal Pharma Pvt. Ltd. (Taksal) for distribution of FHLR products in India since 2003,

Presently, Roche Products (India) Pvt. Ltd. is involved in marketing and scientific promotion of Roche's products (including its strong biotech range) in India such as Herceptin®, Mabthera®, Avastin™, Pegasys®, Mircera®, Actemra®, Valcyte®, Neupogen for which Taksal Pharma Pvt. Ltd. is the authorised Importer and Distributor of FHLR in India. In addition, Xenical is imported, distributed and marketed in India by USV Limited.

Roche Products (India) Pvt. Ltd. is also actively involved in monitoring and support of various clinical trials in the field of Oncology, Nephrology, Rheumatology and Virology.

FLHR has also given perpetual license to Piramal Healthcare Limited (PHL) to use its trademarks in India such as Bactrim®, Lariam®, Valium®, Rocaltrol®, Euglucon®.

Additionally, FHLR has also transferred and assigned its trademarks in India to PHL such as Disseptal®, Ismo®, Librax®, Librium®, Mittavin®, Paraxin® and Bezalip®.

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LEADING EDGE



Mahesh Vithalbhai Patel
Chief Scientific Officer

Wockhardt Research Centre, Aurangabad

1. Could you kindly provide glimpse of your organization? What role do you play in the organization?

Wockhardt is more than 50-year-old Pharmaceutical Company which has presence in India, the US, and the UK, Ireland as well as Latam countries. The company has manufacturing operations in India, Europe and the US. Wockhardt has a large Research facility (~300 scientists) in Aurangabad which undertakes research of classical generic product development, biosimilars and drug discovery aimed at finding of novel antibacterial drugs effective against multi-drug resistant pathogens.

My role at Wockhardt pertains to guiding and motivating the team of about 150 discovery scientists (belonging to diverse disciplines such as Medicinal chemistry, Microbiology, Pharmacology, Toxicology, Chemical structure elucidation, analytical method development team for new drug and its metabolites and the formulation development) which is engaged in the discovery and preclinical development of novel antibiotics suitable for the treatment of life-threatening infections. This program also gives a valuable opportunity to learn several aspects of new drug development and provides opportunity to every team member to learn from the colleagues- the major advantage of working in a multi- disciplinary team of scientists

2. Could you brief us about your educational details? Both school life and University life.

I had done my S.S.C. from Mumbai, Graduation and Post-Graduation in Microbiology from Gujarat University and M.S. University of Baroda, respectively. I earned my Ph.D. from University of Mumbai and few years later I did post-doctoral research at National Institutes of Health, USA.

3. How did you break into the field you are in today?

Soon after Post graduation, I wanted to pursue career based on industry sponsored focussed research program, as at fairly early stage I had realised that academic research programs most often end up in to publications which have little impact value. Therefore, I was scouting for a research related job in the industry. In the year 1971, a German pharmaceutical company Hoechst had established a discovery research centre in Mumbai. I was selected as junior Microbiologist in the research team set up at Hoechst for the discovery of new naturally produced antibiotics.

4. What are the most interesting and/or current developments in your field?

The most interesting developments in the field of antibiotics pertains to the evolution of newer resistance mechanisms among clinically important pathogens and the scientific approaches being developed for overcoming these resistance mechanisms.

5. Given the current circumstances, what do you feel about pursuing higher studies in the Healthcare field in a foreign country i.e. USA, Canada etc?

First of all, the current circumstances need not be viewed as different or more difficult compared to the circumstances prevailing 10-15 years earlier. Generally, every period brings along with it challenges relevant to the prevalent scenario. Pursing higher studies should be with a specific goal of learning and strengthening skill sets as well as deepening knowledge in a field in which student is highly interested. Based on one's interest, candidate should try to select appropriate institute/ university for higher studies. The objective of higher study should never be to just get a degree from the university abroad.

6. What kind of opportunities does the Indian market promise as compared to foreign markets e.g. North America/Europe?

In Indian market, by and large opportunities available are for generic product development based on classical small molecule and relatively fewer opportunities are available in the field of biosimilars (such as insulin analogues, monoclonal antibodies/ cytokine-based products) and biologics-based drug development or manufacturing. Multinational pharmaceutical companies relatively are investing heavily in developing biological drugs /biologics for difficult –to –treat complex diseases. At the same time, it should be noted that several large pharma companies have closed number of research sites during past five-seven years. Nevertheless, for an individual with genuinely good scientific understanding/expertise of any one of the area relevant to manufacturing, quality, regulatory and discovery sciences, opportunities would always come by for a fulfilling career. Another important aspect for a good career progression is the awareness about developing good communication skill (both verbal and written) relevant to the field of work.

7. Do you believe it is a good time to start up on your own- here in India? Or do you suggest the job security of a conventional 9-5 job?

There is nothing like good time and so-called bad time or even the presumed job security of a

conventional 9-5 job. These considerations are often used for the self-deception. For a person with a scientific temper and aptitude, both the kind of opportunities could be evaluated depending on individual's preference

8. What do you see lacking in young recruits today? What improvements would you suggest?

Young recruits are often lacking fundamental concept clarity in the subjects they have studied and possess relatively poor experiment planning and executing skills. This is primarily due to class room teaching in academia being largely non-interactive and not based on the spirit of inquiry. Similarly, the lab work is not giving enough scientific challenge to the students in terms of how to plan an experiment for a given scientific query and how to interpret experimental data, including the findings of so-called failed study/ experiment.

9. We would love to hear what you think about the Pharmacy course in India. Kindly express your views.

Pharmacy education and syllabi followed are not the area of my knowledge. Therefore, I would not be able to answer this question.

10 What is your message to young graduates/postgraduates in Pharmacy?

Every student should identify his/her area of interest and stay focused in one or two subjects/field. The emphasis should be on developing in depth understanding of the specific field of interest so that the current 'state of the art' and future innovation/improvement scope is properly understood.

11. Is there anything else you would like to share with us?

Students should be made aware that the most of the work scenarios either in the industry or even under the start-up situation would involve working in a team. Hence, student should be sensitized in developing good inter-personal skills.

“ The Earth does
not belong to
us, we belong to
the Earth. ”

**World Environment
Day 2019**



World
**INTELLECTUAL PROPERTY
DAY**



7th april
**WORLD
HEALTH DAY**

