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APTI Celebrates Golden Jubilee Year

Golden years of Excellence
1966 - 2016

OFFICIAL DESK

Greetings of the Day.

APTI's new team has been focussing on measures to meet all the teachers needs. We have been working on the modules for teachers job stability, major concerns.

The team has been very vibrant and performing since day one, we took forward all the good work which was effectively done by the previous body. SOP's have been designed for central and state branches for effective outcome.

To raise a structure on the land donated by Acharya B.M.Reddy the main target is to raise funds. It isfortunate that APTI has been given the opportunity to host 69th IPC-2017 at Chitkara University near Chandigarh during 22nd-24th December 2017. We all need to unite and see that maximum participation is there. It needs to be a well organized mega event, we need to raise lot of funds and save to have money for construction of APTI's dream Incubation Centre.

APTICON-2017 will be held at Nashik in the month of October. It is a challenge for us to have two important events being totally hosted and organized by us. No stone will be left unturned.

Online modules of teacher training are already on for teachers to benefit and improvise their teaching learning skills, collaborative programmes are being executed for teachers to have contact sessions and learn. Rajiv Gandhi University of Health Sciences (RGUHS) has been kind enough to fund and provide expertise.

Women's Day was celebrated with its full glory, lady teachers rightly deserve all the honour.

Women's forum news letter has been taken to new height and being published quarterly.

IJPER has been indexed further and was the official proceeding journal for the international symposium MESMAP-3 at Cyprus, Turkey.

IJOPP's new team is very vibrant and is taking the journal to new heights.

The subscriptions are increasing and our journals are being more accepted globally.

State branches are performing well. We have had well conducted state conventions at Orissa and Punjab. Numerous seminars, workshops are being organised.

The ambitions plan of the APTI to have insurance health and death cover for all its member will be officially announced during APTICON at Nashik. The modalities have been worked out. This was much required for our teachers security.

APTI is partner to many international bodies and conference. Which is helping exchange programmes and is getting excellent scientific contribution for our journals.

APTI Awards 2017 have been announced to be applied. We request all the members to hurry and send their entries before 5th September 2017. The honours will be done at APTICON-Nashik.

There is a massive drive to increase the membership. We request all to be part of APTI and contribute in a big way. APTI belongs to all pharmacy teachers. We need to work hard for the profession. United we will have forum of representation for our betterment and stability. Many MoU's are being signed for better execution and results.

We are open to all and part of you. Approach us any time through any mode no-voice will be left unheard.

The entire calendar for our three year tenure is ready and each day there is an activity happening. I on behalf the APTI core team extended a warm welcome to all for being the part of the APTICON-2017 and 69th IPC.

Jai Hind,

Dr. Raman Dang
Secretary-APTI
On behalf of the APTI Central Core Team

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INSTITUTIONAL NEWS

Sri Vijay Vidyalaya College of Pharmacy, Dharmapuri, Tamilnadu inaugurated the **Self financing unit of NSS** unit to deliver their service to the public which is approved by Ministry of Sports & Youth Welfare, Government of India, New Delhi & The TN Dr Mgr Medical University, Chennai. Dr. K.L. Senthilkumar, Principal welcomed the gathering and specified the importance of NSS in student life and how student community directly interact with General public for the welfare of society. Thiru Manivannan, Chairman of Sri Vijay Vidyalaya College of Pharmacy and Groups of Institutions, Dharmapuri delivered his presidential address and specified the importance of NSS and its social importance. Also he

emphasized the awareness to be created in society particularly on women infant child welfare, early marriage to be avoided and other social activities. Also he remarked that Vijay Groups already working for public by conducting eye camp, health camps and various services and spiritual programmes for the welfare of Dharmapuri and surrounding public. He inaugurated the NSS Unit and shorn NSS batch to each NSS Students. Thiru Deepak Manivannan, Director remarked is his speech that by thanking NSS Regional Office and The TN Dr Mgr Medical University, Chennai for granting approval to Sri Vijay Vidyalaya College of Pharmacy, NAA unit approval.

Thiru Arunagiri, NSS Programme officer Sri Vijay Vidyalaya Matric Higher Secondary School, Dharmapuri mentioned is his speech that Vijay groups already adopted Madhanur Village which is tribal are heavily affected by uneducation & various tribal welfare schemes and road forming activities. Thiru Ilango, District Liaison Officer, Dharmapuri, Tamilnadu deliver his key note address and thanked Vijay Groups for their wonderful service rendering to public of Dharmapuri & Krishnagiri districts. He empasised an NSS Programme and its history in India, and he remarked our student s can attract public by their wonderful service for humanity. Mr. Suresh, NSS Programme Officer, Sri Vijay Vidyalaya College of Pharmacy, Dharmapuri thanked the gathering in his Vote of thanks.

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Jaya College of Pharmacy celebrated **Pharma Fest - 2017**, in monumental manner with the blessing of Prof. A. Kanagaraj, Chairman, Jaya Educational Trust. The function inaugurated with traditional prayer song and lightening of the Kuthuvilaku. Dr. Stella Robertson has delivered

the welcome address to the gathering. Prof. A. Maheshwaram, Principal gave a gathering address stating that students embide discipline, and punctuality along with other curricular activities and emphasized sports also from integral part of academic field. Dr. N. Narayanam gave a fillipfelicitation address stating that pedagogical tool of students; success depends on research work and concentration. Prof. A. Kanagaraj, Chairman, Jaya Educational Trust advised the students to the expository thinkers, knowledgeable who can express themselves in many ways. Dr. C. Roosewelt, professor cum HOD, Pharmaceutical Analysis gave introductory speech about the chief guest. Dr. Jayaseelan, Managing Director, Delvin Formulations graced the occasion as chief guest and rendered a energetic speech. In his speech he advised students should take initiative in finding opportunities to learn. Students to develop the knowledge and skills required to provide optimal drug therapy. A memorandum of understanding was signed between Jaya College of pharmacy and Delvin Formulations, Chennai for the benefit of students regarding industrial visit, research thurstand placement. prize giving ceremonies are all about acknowledging and celebrating the achievements of the students and Faculty members involved in academic performance and sports etc.. The victorious staff and students were given prizes for their achivements in the prize ditribution ceremony. Prof. K. K Narasimhulu, Department of Pharmaceutical Chemistry received the Life Time Achievement Awar for his exemplary service in academic field. Mr. J. Haribabu, Administrative officer confessed Excellent Service Award for his interminability services. Ms. R. Gowri Associate Professor, Department of Pharmaceutics received award for 100% attendance and cash prize of Rs. 2000 for producing cent percent result. Dr. B Senthilnathan, HOD of Pharmacy Practice, Mrs. S. Vedhapal Jeyamani, Professor Department of Pharmacy Practice Dr. R. Vijayageetha. professor, Department of Pharmaceutical Analysis, Dr. Stella Robertson, HOD Pharmacognosy, Mrs. P. Angel, Associate Professor, Department of Pharmaceutics, Mrs. S. Gejalakshmi, Assistant Professor, Department of Pharmaceutical Chemistry received awards and cash prize for producing cent percent result. Prof. A. Kanagaraj, Chairamn, Jaya Educational Trust and prof. A. Maheswaran, Principal congratulated students for winning overall Championship in Intramural Sports conducted by Jaya College of Arts and Science and for runner in Volley Ball in intercollegiate Sports meet conducted by Naandha College of pharmacy, Erode. Cultural programmes were also been performed by students. Finally Dr. C. Roosewelt, professor and HOD, Pharmaceutical Analysis gave vote of thanks.

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17th - 18th February 2017

Guntur, Iam: Dr.Rama Rao Nadendla, Principal, **Chalpathi Institute of Pharmaceutical Sciences** (CLPT) announced the institute CLPT as a

part of **Memorandum of Understanding(MoU)** with **Univerisity of Maryland Eastern Shore (UMES), USA** jointly organized a two days **International Conference** sponsored by **Scientific Engineering Research Board (SERB)** titled **"New insights of Pharmacoepidemolgy and Pharmacoeconomics"** on 17th and 18th February 2017 at S.S convention hall in association with International Society of Pharmacoeconomics and Outcomes research (ISPOR)- Acharya Nagarjuna University(ANU) student chapter. Further, a short term course on Rehabilitation for Pharm.D and Pharmacy practice students will be likely to be commenced this academic year 2017-18 said by Dr.Rama Rao Nadendla and Dr.Rondall.E.Allen, UMES, USA. The dignitaries invited and inaugurated were viz., Dr.Rondall E.Allen, Dean, UMES, USA; Dr.Yen Dang, assistant professor, UMES, USA; Dr.Wongwiwat Tassaneeyakul, profesor, Khon Kaen University, Thailand; Dr.Surasak Chaiyasong, Assistant professor, Head school of pharmacy, Mahasarkham University, Thailand; Dr.D.S.Raju Naidu, superintendent, Government General Hospital, Guntur, Dr.R.Jagadeesh Babu, CEO, Biophore Pharmaceuticals, Hyderabad, Dr.K.G Revi Kumar, Director, Kerala institute of Drug Studies, Kerela whereas for the valedictory i.e., on 18th February 2017, the dignitaries were Dr.P.Yashodhara, Deputy, Superintendent, Govt.General Hospital, Guntur, Dr.T.V.Narayana, chairman, IPA-Education division; Dr.K.R.S.Sambasiva Rao, rector, Acharya Nagarjuna University; Dr.G.P.Mohanta, professor, Annamalai University, Chidambaram, Tamil Nadu; Dr.Amit Dang, CEO, MarksMan Healthcare Solutions, Mumbai; Smt.P.Sharmila Nirojini, associate professor, Mr.N..V.Rama Rao, associate professor pharmacy practice department, CLPT, Sri.Y.V.Anjaneyulu, president, Chalapathi Educational Society, Guntur; and Sri.Y.Sujith Kumar, secretary, CES, guntur graced occassion respectively. Dr.R.Jagadeesh Babu, CEO, Biophore pharmceutical opined india there is need for life saving drugs pencillamine which should be discovered within no time to tap the market in this patent cliff period and presented a cheque of worth Rs.200000/- to the principal and president towards merit scholarships and gold medals. The plenary sessions on insights of pharmacy education in United States delivered by Dr.Rondall E.Allen, Dean, UMES, USA, "Benefit Risk Asssement of Generic Medicine" by Dr.Wongwiwat Tassaneeyakul, Khon Kaen

University "Challenges In Implementation Of Pharmacoeconomics Teaching And Research As Indian Perspective" by Dr.K.G Revi Kumar, Primary Care and role of Ambulatory care Pharmacist and Pharmacogenomics by Dr.Yen Dang, "Patient Engagement In Healthcare Decision Making" byDr.Amit dang and "Pharmacoepidemiology gateway to identify innovative social research" by Dr.Surasak Chaiyasong and open forum on opportunities on pharmacy practice, pharmacovigilance was conducted by Dr.G.P.Mohanta, professor, Annamalai University, Chidambaram, Tamil Nadu respectively. This two days conference received 1192 registrations with 500 poster and oral presentations. The dignitaries presented 18 prizes with total cash reward of Rs.48000/- 6 divisions viz., pharmacoepidemiolgy, pharmacy practice, pharmacoeconomics, pharmacology and toxicology, oral presentations and contemporary pharmacy and a total of 42 consolation prizes i.e 7 prizes for each division distributed by the Dr.T.V.Naryana, Dr.K.R.S.Sambasiva Rao, Dr.P.Yashodhara etc.

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18th February 2016

The Vivekanand Education Society's College of Pharmacy (VESCOP), Chembur, Mumbai celebrated its **Annual Day, "SPECTRUM 2017"** on 18th February 2016, with great zest & buoyance.

The formal function was chaired by Dr. Pradeep Chaudhari, Scientist , ACTREC, Tata Hospital Research Wing, Kharghar, Navi Mumbai, as the Chief Guest of this event and Mr. Indranil Chakravartty, Director, Sales and marketing, Samarth Life Science as the Guest of Honor. Shri. B. L. Boolani, the founder trustee of VESCOP and Dr. Mrs. Jharana Das, Coordinator of college were also present at the event. The students of UG & PG participated into various sports & cultural activities like skit, musical drama, dance & singing. The college magazine "Pharma Equinox 2017" themed on "Global Fusion" was released at the hands of guests.

In his inaugural address Dr. Pradeep Chaoudhari, appreciated the success stories of the students of the college and explained his journey of life. He further urged the students to adopt good practices in the life and remain focused on the task assigned to them as student. Mr. Indranil Chakravartty, in his speech, enlightened students on what it takes to be successful in life. He also informed the gathering about newer avenues in pharmaceutical industries and insisted that Make in India call by Hon. PM is need of hour to provide much needed support to small scale industries in India including small Pharma manufacturers. Principal, Dr. Supriya Shidhaye read the annual activity report and highlighted the achievements of the college. Vote of thanks was given by Dr. Sandip Zine, Cultural Incharge who on behalf of the whole college thanked the guests for their invaluable words and suggestions.

The guests gave some special prizes in which Dr. Swati Mittal was awarded as the Best Teacher for the academic year 2016-17. The runner-up prize was given to Mrs. Sonali Munj and Dr. Gaurav Doshi was awarded as the Best Resource Person. The Best Student of the Year was declared. Miss. Shivali Tank won this accolade. The resourceful vescopian awards were given to Mr. Genil Waria and Miss Sushma Mistry from UG and Miss. Pooja Dubey from PG categories.

The organizing committee, Principal and the coordinator of the event Dr. Sandip Zine and Mr. Sunil Patil thanked one and all for their presence and making this programme a great success.

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18th February 2017

One Day National Level Seminar on **'Life Cycle Management in Pharmaceuticals'** organized by **Channabasweshwar Pharmacy College,** Latur on 18th February 2017. National seminar was Sponsored & Supported by Indian Pharmaceutical Association (IPA), Association of Pharmaceutical Teachers of India (APTI) and Swami Ramanand Teerth Marathwada University, Nanded (SRTMUN).

Seminar was inaugurated by lighting the lamp by the auspicious hands of Dr. Sanjay B. Wagh, Director, Maa Bijasni Life Sciences P. Ltd. Mumbai, fine Orgokem Pvt. Ltd. Mumbai, Hon. Secretary of Panchakashari Shivacharya Trust, Shri B.J. Deonikar, Secretary of Chemist & Druggist Association Marathwada Region, Shri Ramdas Bhosale, Trustees Shri Siddheshwar Halkude, Shri Vijaykumar Mathpati, Principal Dr. Sanjay Thonte, Organizing Secretary Dr. Ompprkash Bhusnure, Principals of nearby Pharmacy colleges, distinguish personality

from Pharmaceutical Industry were present on this occasion.

Dr. Sanjay Thonte, Convener and Principal delivered the Well-come address. In his speech he expressed about the objectives behind organizing the National seminar, the Theme and content of seminar. Dr. Omprakash Bhusnure, Organizing Secretary, explained the title of the seminar and how this was now essential process starting from input of raw materials to output of finished product. Dr. Sanjay Wagh in his key note addresses and highlighted about the Drug Discovery process, its present status and scope & opportunities in India. Global wide Contribution by pharma-industry in drug discovery.

In first plenary session Mr. Kabra S. R., Co-founder & Director, Etyka Clinical Solution Pvt. Ltd. Thane made delivery on the topic "Clinical Development-overview, Need, Regulation" The session was chaired by Dr. Someshekhar, Dr. Ghiware Nitin.

In the afternoon three Plenary sessions were arranged Dr. C.S. Kadam-Senior Director, Dr. Reddy's Lab. Ltd, Hyderabad delivered a talk on "Life Cycle Management Approach from product development to market" with Dr. Sanjay Bias, & Dr. Gampa Vijaykumar, from Hyderabad were chaired the session.

Dr. H.M. Dongare Senior Manager, Global Regulatory affairs, Novartis Health Care Pvt. Ltd. Hyderabad delivered the lecture on topic, "Regulatory Aspects and life cycle Management in Pharmaceutical products" in his delivery he highlighted on the rules & regulations that should maintained by Pharmaceutical Industries during the production & manufacturing of medicines. Dr. C. S. Kadam and Dr. Shivaraj Nagoba were chaired the session.

In the last plenary session Mr. Sachin R. Ogale, Assistant General Manager, Quality Assurance, Mylan Lab Ltd. Hyderabad given a talk on "Market Development" He highlighted ICH_8 to ICH_{10} guidelines to improve the quality of product. Dr. S.S. Patil, Mr. Gadewar C. K.-Principal Hatta College of Pharmacy Parbhani & Mr. Yerule Sadanand, Assistant General Manager of production Dept of Aspiro Pharma Ltd. Hyderabad were chaired the session.

At end of the day Valedictory Programme organized during this Programme Cordinator Dr. V.M. Thakare summarized the activities of whole day. Dr. S. M. Wadwalkar, Principal, Nanded Pharmacy College, Nanded, Hon. Secretary of Panchakashari Shivacharya Trust, Shri B.J. Deonikar, Principal and Convener Dr. Sanjay Thonte were present on this occasion. Dr. Sudhir Wadwalkar expressed about the need of company & expectations from academics & role of practical work for developing students as per requirements of Pharma Industry. National Seminar was concluded with National Anthem.

All the Guests of seminar were welcomed by Prof. Padmaja Giram, Prof. Trupti Rajmanya, Prof. Aparak Moholkar, Prof. Gangasagar Kardile, Prof Sandeep suryawanshi and vote of thanks was given by Prof Ram Pentewar.

About 271 participants from the various states of country, which include academician, Researchers, PG Scholar, aspirants from Pharma Industry were taken part in the seminar. After seminar Interactive Session arranged on "Reforms in Curriculum in order to meet requirements of Pharma industry" among the academicians and Pharma Industry people. Discussion was very fruitful and appreciated at all level. Session was handled by Prof. Varsha Gaikwad.

Prof. Sachin Gholave, Prof. Ram Pentewar Prof. Vivek Panchabhai, Prof. Sunil Hindole, Prof. Padmaja Giram, Prof. Keshav Kulkarni, Prof. Sarika Zingade, Prof. Risha Wale, Prof. Trupti Rajmanya, Prof. Aparark Moholkar, Prof. Moin Attar, Prof. Mahesh Birajdar, Prof. Nasheer Shaikh , Prof. Pratap Bhosale, Prof. Ravi Rajurkar, Prof. Baswaraj Sugave, Prof. Ramling Sugave, Prof. Dattahari Kaudewar, Prof. Atish Jadhav administrative as wel as supporting staff members were taken efforts.

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20th - 21st February, 2017

Srinivas College of Pharmacy in association with IPA, local branch, Mangalore has organised a **two day National Seminar** with the theme **"Innovative Practices in Clinical training and Patient safety"** on 20th, 21st Feb 2017. It was mainly organized for Pharm D, M.Pharm, Pharmacy Practice, Quality Assurance and Pharmaceutics students.

Highly experienced resource persons Dr.G.P Mohanta, Professor, Annamalai University, Chidambaram T N, Mr. Sanjay R Sogali, Senior clinical research Manager, PRA Health Sciences, Bangalore, Dr. Sharath Kumar, Co-ordinator, Pharmacovigilance programme of India, Mangalore, Dr. Padmaja Uday Kumar, Professor of Pharmacology, Father Muller Medical College, Mangalore and Dr. Pramod Kumar, Medical Superintendent, Srinivas Institute of Medical Sciences & Research Centre, Mukka were invited. They deliberated about the advances made in the treatment of ailments.

Dr. A R Shabaraya, Principal & Director, Srinivas College of Pharmacy, President of IPA local branch presided over the inaugural session. He exhorted the participants to take note of the guiding principles given by

the speakers. Delegates from Mangalore, other parts of Karnataka, Kerala, Tamilnadu and Goa participated in the conference. 85 research articles were presented in the poster, 10 participants presented their research findings in the oral sessions in the scientific sessions.

Dr. E V S Subrahmanyam, Professor, Srinivas College of Pharmacy, Vice President of IPA Mangalore welcomed the gathering and introduced the guests. Dr. Karunakar Hegde, Asso.Professor & HOD, Pharmacology proposed vote of thanks. Dr.(Mrs)Padmavathi.P.Prabhu with the assistance of students anchored the programme. Dr. K Vijayanarayana secretary, Dr. Shridhar Nair executive committee member, IPA local branch Mangalore were present on this occasion.

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22nd February, 2017

Konkan Gyanpeeth Trust organized its **3rd degree distribution convocation ceremony** as per University of Mubai for its pharmacy and engineering students at karjat on 22nd Feb 2017.

Dr. Raghunath Shevgaokar Professor IIT Mumbai and Ex. VC Pune University was the chief Guest. Smt Anupamatai Dharkar Wangdi, Chairperson, Captain Sariputta Wangdi, Vice Chairman, Mr. Viraj Wadde, Member, Dr Lengare Principl KGCE, Dr. M. K. Kale Principal KGRDC & RI, grace the occasion.

Dr. Lengare Principal KGCE, Welcome the guest and trustees. Smt. Anupamatai Dharkar Wangdi Prisided the function. Dr. M. K. kale Pricipal Brief about the activities and development of Konkan Gyanpeeth and its colleges. He urged the students to work sincerely honestly with devotion, dedication, and discipline. He motivated the students to the innovators and entrepreneurs. Captain Wangdi urged students to imbibe the quality of leadership with all round development for team management.

Dr. raghunath Shevgaokar in his convocation address asked the students to be indebted to the parents, teacher and friends. He motivated students to be highly privileged to be amongst one in every ten thousand in India as engineering profession. He asked students first to be good human beings, 2nd to be good citizen and 3rd to be good professional. He said technology should be implemented for humanity and to improve the quality of life of every citizen. He said one should work for society and nation and should be accountable human beings. He urges the students to imbibe to good values in life and the creator of knowledge and not only disseminators and should not follow the cut and paste system in the research.

All the guest distributed convocation certificate to the students and congratulated them for future. Miss. Ketaki Patil Compeered the proceedings. Mr. Nilesh Gorde and Priyanka Patil declared the names of pharmacy students whereas; Mr. Singh, Mr. Chaudhari and other head of the department declare the name of respective students of engineering department. Merit students were honored first. Mr. Rupesh Parthe gave vote of thanks.

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1st March, 2017

Sinhgad Technical Education Society's Sinhgad College of Pharmacy (SCOP), Vadgaon, (Bk.), Pune organized **Savitribai Phule Pune University** – Board of Student Welfare – sponsored **One Day Workshop On Social Harmony And Youth Empowerment "Samajik Salokha ani Yuva Sakshamikaran"** on 1st March 2017. Faculty members and students interacted with the expert speakers.

Chief guest Mr. Machindra Bochare of Academy for NIPER Aspirants, Mumbai, along with Principal Dr. K.N.Gujar and Co-ordinator Mrs. Madhuri Nagras inaugurated the workshop. Mr. Machindra Bochare, Academy of NIPER Aspirants, Mumbai guided the students regarding the preparation for the competitive Exam: GPAT and also gave details related to exam syllabus and pattern.

Dr. Mrs. Shirish Ambegaokar, an Ayuredic doctor from Hadapsar, Pune elaborated on Overcoming Gender Bias for Social Harmony and guided on all the myths which are still believed today.

Ms. Sangeeta Deshpande, Soft Skill Trainer, Kothrud, Pune explained about the Planning, Achieving, and Assessment of Long and Short term Goals and interacted with the students by various games and tasks for Effective Communication and Soft Skills.

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2nd - 3rd March, 2017

Sinhgad Technical Education Society's Sinhgad College of Pharmacy (SCOP), Vadgaon, Pune organised **Savitribai Phule Pune University-Board of Student Welfare** - sponsored **Two day Workshop** on Entrepreneurship & Skill development **"Swajam Rojgar ani Kaushalya Vikas Karyashla"** on 02 & 03 March, 2017. Faculty members and students interacted with experts in this subject.

Chief guest Dr. G. K. K. Singh, Asian Institute of Quality Management, New Delhi along with Dr. K. N. Gujar, Principal of College, and Co-ordinator Mrs. Madhuri Nagras inaugurated the seminar.

Dr. G. K. K. Singh gave the overview of 'Six Sigma Program'. Mr. Anil Pathak and Mrs. Supriya Trimbake, of deAsra Foundation, Senapati Bapat Road, Pune guided about 'Entrepreneurship Development in youth'.

Ms. Neha Gujar, CEO KiNGs Biosolutions, Hingne, Pune explained various aspects on 'How to Launch a Startup Company'. Prof. M. S. Dhanawade, Sinhgad Institute of Management, Pune talked about 'Exploring the potential of Pharmaceutical Marketing'. Mr. Nikhil Deval, Director, Amvein Naturals, Sinhgad Road, Pune nicely elaborated on 'Processing Ayurvedic Crude Drugs & Herbal Veterinary Products'.

Dr. B. R. Mardikar, Anand Nagar, Kothrud, Pune & Prof. Abhijit Bidkar, HOD, Pharmacognosy Dept. Sinhgad Institute of Pharmacy, along with teaching faculty of Sinhgad College of Pharmacy, Pune gave a hands on session on 'How to Prepare Medicated Oils'. Mr. Vipul Shah, Managing Director, Epione Pharmaceutical Pvt. Ltd., Pune spoke about 'Retail Pharmacy Business, Pharmaceutical Production & Distribution'.

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2nd - 4th March, 2017

An **International Conference** on **Challenges in Drug Discovery and Delivery** (ICCD3) was organized by the **Department of Pharmacy, BITS Pilani,** Pilani Campus. during 2-4 March 2017. Mr. Chandrashekar Ranga**,** Deputy Drugs Controller (India), New Delhi was the guest of honor, Mr. Ranga in his inaugural address enlightened the audience with the regulatory guidelines and various other developments in the Pharma sector, including SUGAM portal for improving e- governance of IND applications. He also highlighted the grey areas of Indian Pharmaceutical Industry and pointed out the role of young researchers and students in overcoming the hurdles in the path of development. The post lunch session was carried out as two parallel scientific sessions, which included talks by renowned speakers from all over the world and oral and poster presentations from researchers who had flocked from different parts of the country. Mr. S.G. Prasad, Ex Drugs Controller, Uttar Pradesh was also present on this occasion.

The first session was based on themes like Macromolecular Drug Delivery and RNA based Therapeutics and Molecular Modeling and in silico Drug Design. The other part of the session was covered by the talks on the importance of in silico techniques and their implications in treatment of neglected tropical diseases like Leishmaniasis and inflammatory diseases. Along with a detailed overview of the grave problems being faced by the scientific communities, these talks also showed different solutions which can be instrumental in conquering these fatal health issues.

The second part of the scientific session included talks by eminent scientists who talked about the current approaches in Protein and Peptide drug delivery in the treatment of vaccine development and treatment of COPD. The parallel arm of the scientific session was based on the theme, Chemoinformatics and Computational Drug Discovery which had some interesting discussions by well-known scientists .

The second day began with the theme entitled as Nanocarrier and Receptor mediated Drug Delivery. The scientists delivered interesting talks on application of nanotechnology to overcome drug resistance in cancer cells and liposomes to target drugs to a specific site so as to reduce the off target effects elicited by various drugs.

Apart from this, over 165 posters which were based on current topics concerning the drug discovery and development. Researchers from all over the country participated in the event. The posters covered different topics ranging from in silico methods to in vivo and clinical studies, which are the different stages of drug development. The event showcased the extensive research going on throughout the country to tackle major health issues like cancer, diabetes, neurological complications etc and also highlighted the efforts of chemists working hard to develop efficient, side effect free molecules and formulation scientists who have been working continuously to convert the molecules into efficient formulations.

The conference also includes around 20 oral presentations spanning over three days. Young researchers from various parts of the country participated in oral presentations which included some brain storming discussion on various interesting studies on drug discovery and development and allowed the audience to get in touch with the recent research going on in different reputed laboratories of the country.

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3rd March, 2017

Society of Pharmaceutical Education & Research [SPER] has successfully organized its 6th Annual International Conference & Exhibition [SPER 2017] at Jaipur National University, Jaipur [Rajasthan] India on March 3-4, 2017.

SPER international conference was inaugurated on March 3, 2017 by Dr. Ashok Lahoti, Mayor, Jaipur Nagar Nigam, Jaipur and presided by Dr. Dinesh Jaiswal, VP Pharmaceutical Operations-Achlis Group, New York, USA. The guest of honors for the conference were Prof. (Dr.) H. N. Verma, Vice Chancellor, JNU, Jaipur, Prof. (Dr.) S. H. Ansari, President, SPER, Mr. P. K. Gupta, Chairman, Belco Pharma, Bahadurgarh, Dr. Upendra Nagaich, Secretary, SPER & Research Coordinator, Amity Institute of Pharmacy, Amity University, Noida, Dr. Manoj K. Tripathi, Ex-Drugs Controller, Govt. of Rajasthan, Mr. Tarsem Jain, Editor, Pharma Pramarsh, Rohtak & Prof. (Dr.) B. Shrivastava, Prof. & Director, School of Pharmaceutical Sciences, JNU, Jaipur. The abstract book was released by chief guest and other dignitaries.

Dr. Ashok Lahoti shared his thoughts about the role and importance of pharmacists in the society and further involvement in upgrading the status of pharmacists in the country.

Dr. Upendra Nagaich, Convener, SPER 6th Annual International Conference & Exhibition [SPER 2017] presented the annual report of SPER and shared in detail about SPER and various activities carried out by the society across the country throughout the year. He shared about the recent SPER office bearers' elections which was held in the month of September 2016 and constitution of various state branches of SPER at national level.

He also shared about constitution of SPER Women's' form and SPER Students form for bringing the women candidate and young buddies in main stream and promoting the activities at grassroots level.

Moreover, he also shared the information regarding various privileges, grants and scholarships given to the students every year from SPER and about various awards given to the eminent persons and SPER life members every year i.e., Mrs. Sudha Nagaich Memorial Award, SPER Fellowship Award, SPER Eminent Teacher Award, Principal of the year, Young Scientist, Innovative Researcher, Young Teacher, Young Talent, Best Student for UG, PG, Ph.D. Scholar and SPER Women Forum awards.

Dr. Upendra Nagaich extended his heartfelt thanks to IFTM University and specially Mr. Rajiv Kothiwal, Honourable Chancellor, IFTM University, Moradabad & Prof. (Dr.) R. M. Dubey, worthy Vice-Chancellor, IFTM University, Moradabad for their consistent support throughout the journey of SPER.

Dr. Nagaich extended his deep sense of gratitude towards Mr. P. K. Gupta for sharing his valuable time and kind support for organizing this conference.

The conference was in collaboration with Jaipur National University, Jaipur and Journal of Advanced Pharmaceutical Technology & Research (JAPTR) [The official Research Publication of SPER], along with IFTM University, Moradabad [Uttar Pradesh] as Knowledge Partner, SPER Publications and Solutions Pvt. Ltd. as Publication Partner and supported by Dolphine, Mumbai, HPMA, Haryana, Pharma Pramarsh, Rohtak and SPER Times.

Dr. Upendra Nagaich also highlighted the progress of Journal of Advanced Pharmaceutical Technology & Research [JAPTR]. The journal is indexed with Emerging Source Citation Index [ESCI], Web of Science [Thomson Reuters], CAB Abstracts, Caspur, Chemical Abstracts, CNKI (China National Knowledge Infrastructure), DOAJ, EBSCO Publishing's Electronic Databases, Excerpta Medica / EMBASE, Expanded Academic ASAP, Genamics JournalSeek, Global Health, Google Scholar, Health & Wellness Research Center, Health Reference Center Academic, Index Copernicus, Indian Science Abstracts, National Science Library, OpenJGate, PrimoCentral, ProQuest, PubMed, Pubmed Central, Scimago Journal Ranking, SCOLOAR, SCOPUS, SIIC databases, Summon by Serial Solutions and Ulrich's International Periodical Directory.

Dr. Nagaich has discussed in detail regarding the various privileges being extended for the life members of Society of Pharmaceutical Education & Research [SPER] in the article processing charges (APC) for publication in Journal of Advanced Pharmaceutical Technology & Research [JAPTR].

Overwhelming response was received for the conference and more than 650 delegates has participated in the conference across the country. More than 220 participants have presented posters of their research work in different tracks. All posters were judged by learned judges invited from various academic organizations and Pharmaceutical Industries.

The various scientific lectures were delivered by eminent personalities from academics as well as industry. The key speakers for this conference were Dr. Dinesh Jaiswal, VP, Pharmaceutical Operations-Achlis Group,

New York, USA, Dr. Pradeep Visen, Risk Factor Modification Centre, St. Michael's Hospital, University of Toronto, Canada, Dr. Praveen Tyle, Executive Vice President, Research and Development, Lexicon Pharmaceuticals, Texas, USA, Prof. (Dr.) S. H. Ansari, Jamia Hamdard, New Delhi, India, Mr. Rajesh Thalapparambath, Sr. Pharmacist- Inpatient Medication Management, Johns Hopkins Aramco Healthcare, Dhahran, Saudi Arabia, Dr. Neeraj Nagaich, Department of Gastroenterology, Fortis Escorts Hospital, Jaipur, India etc.

This two days international conference was organized with a key intention to focus on continuing professional development in pharmacy profession concerning about education, essential leadership knowledge, skills, and attributes to advance practice. The principles relating to management of medication use are needed to be outlined so that evidence based medicine and eventual clinical monitoring can be put into practice. In a line with present scenario, the role of self-medication in healthcare system is necessitated to be addressed and to safeguard the ethics of pharmacy profession.

The conference offered the unique platform for interaction with the eminent academicians, research persons, and industry leaders. It provided an open forum for the professionals of pharmaceutical research and academician to enrich their knowledge in the field of pharmaceutical education & research.

The first day concluded with the cultural events performed by the young students of Jaipur National University, Jaipur.

The second day of the conference commenced with the scientific lectures of Dr. Pradeep Visen, University of Toronto, Canada, Mr. Rajesh Thalapparambath, Sr. Pharmacist- Inpatient Medication Management, Johns Hopkins Aramco Healthcare, Dhahran, Saudi Arabia, Dr. Neeraj Nagaich, Department of Gastroenterology, Fortis Escorts Hospital, Jaipur, India etc.

The valedictory function was inaugurated by Dr. Alok Khunteta, Registrar, Rajasthan Pharmacy Council, Jaipur, Dr. Upendra Nagaich, Secretary, Society of Pharmaceutical Education & Research [SPER], Prof. (Dr.) B. Shrivastava, Director, Jaipur National University Jaipur.

During the conference, Dr. Dinesh Jaiwal, VP Pharmaceutical Operations-Achlis Group, New York, USA was honored with 'Mrs. Sudha Nagaich Memorial Award' for his immerse contributions towards the upliftment of pharmacy profession.

SPER Principal of the year Award were conferred upon Prof. (Dr.) M. S. Ashawat, Prof. & Principal, Laureate Institute of Pharmacy, Kangra & Prof. (Dr.) J. S. Patil, Prof. & Principal, VT's Shivajirao S. Jondhle College of Pharmacy, Thane for their outstanding contribution towards uplifting the standards of pharmaceutical education.

SPER Young Scientist Award was conferred upon Dr. Sai Sailesh Kumar, Little Flower Inst. of Medical Sci. & Res., Angamaly.

SPER Innovative Researcher Award was conferred upon Dr. Amit Mishra, Indian Institute of Technology, Jodhpur.

SPER Young Teacher Award was conferred upon Mohd. Rageeb Mohd. Usman, Smt. S. S. Patil College of Pharmacy, Chopda.

SPER Young Talent Award was conferred upon Dr. Ramandeep Singh, Himachal Institute of Pharmacy, Paonta Sahib.

SPER Best Student Awards (Ph.D., PG, and UG) were conferred upon Ms. Swati Chauhan, Amity Institute of Pharmacy, Amity University, Noida, Mr. Inder Kumar, Laureate Institute of Pharmacy, Kangra and Ms. Tanishka Pruthi, MDU, Rohtak respectively.

SPER Women Forum-Innovative Researcher Award was conferred upon Ms. Patil Minal Shriram, DCS's A. R. A. College of Pharmacy, Nagaon, Dhule, SPER Women Forum-Young Scientist Award was conferred upon Ms. Pooja Mittal, IIT-BHU, Varanasi and SPER Women Forum-Best Student Award was conferred upon Ms. Dipima Chaudhary, Laureate Institute of Pharmacy, Kangra.

SPER Best State Branch award was conferred upon Uttar Pradesh State Branch for their continuous involvement and development of SPER in the state.

To encourage and motivate the students 05 Best Poster Presentation Awards were given in each discipline by Dr. Alok Khunteta, Dr. Upendra Nagaich and Prof. (Dr.) B. Shrivastava.

Dr. Pankaj Sharma, Co-Chairman-Local Organizing Committee of the conference presented the vote of thanks.

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3rd - 4th March 2017

Krishna Teja Pharmacy College, Tirupathi organized a two day National Seminar, Pharma Fest 2K17 "Biobased Chemicals and Supra Molecular Chemistry" on 3rd - 4th of March 2017, Sponsored by Science & Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India.

The National Seminar was inaugurated on 3rd march 2017 in Krishna Teja

Pharmacy College Auditorium by Dr.C.Sucharitha, Chairperson, Krishna Teja Educational Institutions, Tirupathi, Chief Guest Prof. Dr.S.Sathyanarayana, Director, R&D, JNTUA, Ananthapur, Dr. N.Harishankar, Scientist, National Institute of Nutrition, Hyderabad, Mr. Yeswanth Kumar, Founder and Director, SARC Research Laboratories Hyderabad., and Dr. P.Hyma, Research Head Department of Pharmacy, SARC. Hyderabad.

Prof.Dr.S.Sathyanarayana enlightened elaborately about the importance of Biobased Chemicals and Supra Molecular Chemistry in pharmacy. Dr. N.Harishankar explained in detail about the Animal model experiments. Dr.P.Hyma briefly explained about various funding agents for getting Grants. Souvenir was released on this occasion. Dr.S.Ramakrishna, Principal Scientist, Indian Institute of Chemical Technology, Hyderabad delivered a talk on Molecular Chemistry. Mr.Hemanth Panasa General Manager, Quality Assurance, Pfizer Pharmaceuticals Chennai, spoke about quality assurance parameters in pharmaceutical Industry.

Ms. K.Jyothshna Devi welcomed the gathering. Dr. K.Umasankar, convener high lightened the importance of two day programmes. Dr.P.Jayachandra Reddy, Principal, explained various facilities offered by the institution. Dr.V.Prabhakaran, Vice Principal briefed about the achievements of institution. The Program was a grant success and benefited to attend more than 500 delegates from various organizations, Research Laboratories, Pharmacy Colleges, Industries and Hospitals in AP and other states. The program was concluded by valedictory functions. Dr.Guptha Superintendent Railway Hospital, Renigunta, gave valedictory note. Prizes are distributed to the delegates by Prof.K.V.R.G.Prasad and Prof.N.Nagaraju., Pharmacy Department Sri Padmavathi Mahila University Mr.Reddeappa Chief Pharmacist Railway Hospital Renigunta.

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4th March, 2017

ADINA Group of Institutions, Sagar (M.P.) organized **Shri Prem Chand Memorial Young Scientist Award-2017** and **DST, DBT & DAE & ICMR** sponsored **National Symposium** on "**Quantum Dots as Drug Delivery: Opportunities & Challenges**" on 4th March, 2017. The programme was inaugurated by the Chief Guest Prof. Shailendra Saraf, Vice-president, Pharmacy Council of India (PCI), New Delhi and special guest Prof. S. P. Vyas, Acting Vice-chancellor, Dr. H. S. Gour Central University, Sagar (M.P.); Prof. D. K. Saraf, Prof. S. K. Jain, Dr. Ashish Verma, Dr. Rampal Pandey, Dr. H. S. Gour Central University, Sagar (M.P.); Dr. Umesh Gupta, Central University of Rajasthan, Ajmer; Dr. Kapil Khatri, Principal, Ravishankar College of Pharmacy, Bhopal; Dr. R. S. Rawat, Dr. Anand Jain, and Dr. Manish Soni, IGEC, Sagar. Subject's experts delivered their lectures on quantum dots in the National Symposium and around 300 participants including academicians, students etc. participated in the symposium. In Shri Prem Chand Memorial Young Scientist Award-2017, around 70 research papers through oral presentation were presented by young scientists of various institutions across the country. Winner candidates which were selected by the experts, were awarded with cash prize of Rs 11,000/-, trophy and certificate. The winner of Pharmaceutical and Medical Sciences discipline was Ms. Swati Sharma, Anand College of Pharmacy, Anand (Gujrat) and Mrs. Mitali Mishra, Dr. H. S. Gour Central University, Sagar (M.P.); Life Sciences and Biosciences discipline was Ms. Anshu Khatri, Leibniz Institute of Plant Biochemistry, Germany and Arvind Kumar Sahu, Pt. Ravishankar, Shukla University, Raipur (C.G.) & Engineering Sciences was Mr. Rahul Kankane, AIST, Sagar. Group Director, Dr. Sunil K. Jain congratulated all the winners. In this programme, Chairman Shri Rajesh Jain, Managing Director Er. Shivangi Jain, Programme co-ordinators Dr. Ashish K. Jain, Dr. Prateek K. Jain, Dr. Rupesh K. Gautam, Dr. Alka Dubey ,CEO Er. Ashish Dubey and all faculty members & students were present in the programme.

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5th March, 2017

Kasturba Medical College Mangalore, Directorate of Research and Manipal College of Pharmaceutical Sciences, Manipal University, Manipal jointly organized a **one day seminar** on the theme "**Advances in Healthcare Technologies**". Over 250 delegates representing various pharmacy colleges in Mangalore and Manipal participated in the seminar which was held at the Medical Education Unit Seminar Hall, Kasturba Medical College on March 5. The event saw participation of delegates

from Shree Devi College of Pharmacy, NGSM Institute of Pharmaceutical Sciences, Srinivasa College of Pharmacy, Karavali College of Pharmacy from Mangalore and School of Life Sciences and Manipal College of Pharmaceutical Sciences from Manipal.

Dr. N. Udupa, Director, Research (Health Sciences), Manipal University delivered the welcome address and stressed on achieving 'quality through quantity'. The chief guest for the inaugural function, Dr. Venkataraya Prabhu, Dean, KMC Mangalore, addressed the gathering on the importance of healthcare technologies and the means of delivering affordable medicines for the patient. Later, Dr. M Sreenivasa Reddy, Vice-Principal, Manipal College of Pharmaceutical Sciences, Manipal expressed the vote of thanks, concluding the inaugural function.

The panel of speakers had many eminent academicians representing the field of medicine as well pharmacy. Dr. M Chakrapani, Professor and Associate Dean, KMC Mangalore spoke on physician's perspective of healthcare technologies. Dr. Gopalkrishna Bhat K, Professor, KMC Mangalore elucidated the various microbiological methods for the diagnosis and management of emerging infectious diseases. Dr. Mukta N Chowta, Professor, KMC Mangalore, explained the various stages of preclinical drug development, emphasizing the considerations while carrying out a pre-clinical study. This was further elaborated by Dr. Ashok Shenoy, Professor, KMC Mangalore who discussed the various clinical phases of drug development. Dr. Ravikiran Ongole, Professor, Manipal College of Dental Sciences Mangalore stressed on the challenges and the possible solution for early detection of oral cancers. Later Dr. Srinivas Mutalik, Professor, MCOPS Manipal, elucidated the application of dendrimers for delivery of drugs through skin. Post lunch the scientific session began with a talk by Dr. Murali Badanthadka, Professor, NGSM Institute of Pharmaceutical Sciences, Mangalore who deliberated the impact on research and contribution of laboratory animal to human healthcare. Later Dr. Manthan Janodia, Associate Professor, MCOPS, Manipal enlightened the crowd on the need to intellectual property rights and gave an introduction to the various intellectual properties. Dr. Akhilesh Dubey, NGSM Institute of Pharmaceutical Sciences, Mangalore spoke on the importance of translating research from the laboratory to commercialization.

The seminar concluded with the valedictory ceremony where Dr. N. Udupa profusely thanked all the delegates and the eminent speakers for their valuable presence and making the seminar a worthwhile and enlightening experience.

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7th March, 2017

A national seminar on the topic **"Recent Advancement in Herbal Medication"** was organised on 7th March 2017 by **Indore Institute of Pharmacy.** The seminar was focused to enhance knowledge on current advancement in extraction and preparation of standardized herbal formulations. Participants were also briefed about efficacy, safety and quality of herbal medicines. This seminar was sponsored by M.P. council of Science and Technology. More than 300 delegates from various pharmacy institutions participated in the seminar.

The seminar was blessed with the presence of Mr. Ajit Singh, Chairman, ACG Worldwide as chief guest. Dr. Shailendra Saraf, Vice President PCI was present as a special guest and Dr. Swarnalata Saraf, Vice president APTI as Guest of Honour. The program was inaugurated with floral welcome of guests by Dr. Sanjay Jain, Principal, IIP and lamp lightening by distinguished guest on dice followed by felicitation of Mr. Ajit Singh, Dr. Shailendra Saraf and Dr. Swarnalata Saraf and release of abstract book.

In his benedictory speech Mr. Ajit Singh, Chairman, ACG worldwide addressed the gathering elaborating the importance of attitude and approach in making a product or technology successful. He advised everyone to achieve excellence in their field to get recognition for yourself and your country round the world. He mentioned that it is the excellence that matters not the size of organization. He also elaborated the advancement in capsule technology and its application in herbal medicines. He also added a note on present scenario of global market of herbal products and nutraceuticals along with growth aspects for India in global market.

Dr. Shailendra Saraf, Vice president, PCI in his speech discussed about present manufacturing aspects of herbal products as well as nutraceutical products. He mentioned the importance regulatory bodies & their guidelines of various countries that control manufacturing of herbal product and their exports.

Guest of honour, Dr. Swarnalata Saraf also addressed the gathering in inaugural function and suggested institutions to focus on improvement of technical skills among students. In her speech she emphasised on use of nanotechnology in herbal cosmaceuticals and its benefits.

Distinguished speakers for scientific session were Dr. Umesh Patil, Associate Professor, Dr. H. S. Gour University, Sagar and Dr. Chhaya

Bhatt, Director, Amsar Pvt Ltd, Indore. Dr. Umesh Patil delivered his lecture on "Utilization of Ethanobotanical Practices in Discovery of New Herbal Compounds with Medicinal Properties". Lecture of Dr. Umesh Patil was followed by lecture of Dr. Chhaya Bhatt. Dr. Bhatt explained about history of plant based drugs, extraction techniques and quality control parameters for herbal medicines.

The occasion was graced by the presence of Dr. D K Jain, Director, College of pharmacy, IPS Academy, Indore, Dr. Pawan Dubey, Director, Swami Vivekanand Group of Institutions, Indore, Mr. Giriraj Tripathi, Manager QC, Cipla, Indore, Mr. S. C. Airen, Principal, Davi Ahilya college of Pharmacy, Indore, Dr. G.D. Dharwekar, Principal, Acropolis Institute of Pharmaceutical Sciences, Indore, Dr. Neelam Balekar, Principal, COP, IPS Academy, Indore, Dr. Arun K. Gupta, Principal, RKDF Institute of Pharmaceutical Sciences, Dr. APJ Abdul Kalam University, Indore, Dr. Revati Gupta, Principal, SSSTRI, Dr. APJ Abdul Kalam University, Indore, Dr. Raghvendra Dubey, Central India institute of Pharmacy, Dr. APJ Abdul Kalam University, Indore, , Dr. Joy Banerjee, Director, IIST, Indore, Brig. G. P. Chhatopadhyay, Advisor, Shail Group of Institutions, Indore.

Students and faculties from various pharmacy colleges presented their research and review papers in the technical session of seminar. In the technical session 18 oral presentations by students, 4 oral presentations by faculties of various pharmacy colleges were presented in 2 parallel sessions.

At the end of the day valedictory function was held in the auditorium. Certificates and prizes were distributed to winners, runners and participants. Vote of thanks was given by Dr. Pritesh Paliwal, Professor, IIP, Indore.

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8th March, 2017

International Women's Day, observed worldwide on 8 March each year, is a day for celebrating the social, economic, cultural and political achievements of women. The day calls for action, not only to sensitize ourselves and our fellow community members about gender parity, but also to accelerate it. As an initiative towards the same, **International Women's Day celebration 2017** on Theme **"Empowered & Inspiring"** was organised by **Anand Pharmacy College** in association with **Association of Pharmaceutical Teachers of India (APTI), Gujarat** Chapter at Bhaikaka hall, SRKSM campus, Anand. "Women Empowerment" is a burning issue all over the world. Women Empowerment refers to increasing and improving the social, economic, political and legal strength of the women, to ensure equal-right to women, and to make them confident enough to claim their rights.

Dr. Vijay Parmar, Vice President APTI, Gujarat chapter, in his message conveyed that woman is the life giver to the whole human race and it is the responsibility of everyone to give her a respectable status and honour in society.

Two guest speakers delivered informative lectures. First speaker, Ragini B. Prajapati, PSI and Anand Mahila PoliceIncharge, Anand had delivered a lecture on women empowerment and women rights protection.

The health status of women directly reflects the health status of the nation. The concept of women's health today has become a major concern among the developing countries because of deteriorating quality of life. India has made considerable progress in social and economic development in recent decades, like improvement in life expectancy, but infant mortality and illiteracy demonstrates it lagged behind in the improvement of women's health. In context to this second speaker, Dr. Maitri Patel, Gynaecologist, Spandan Hospital had delivered an informative women oriented lecture on "How to live a healthy life". Moreover she also addressed and solved the various gynecological questions raised by the girl students during her interactive session.

Moreover, Activities like Skit performance, Documentary film making competition and extempore speech competition were organised. Total 68 students had participated in activities.

The skit competition was judged by Dr. Vijay Parmar, Vice President, APTI, Gujarat chapter and Ms. Hiteksha Panchal, Assistant Professor, Anand Pharmacy College, Anand. 2nd semester B.Pharm group was awarded with 1st rank for their skit performance entitled "Women's Rights Protection".

Extempore speech competition was judged by Dr. Rekhakumari Singh, Principal, Anand Law College, Anand and Ms. Jenee Christian, Assistant Professor, Anand Pharmacy College, Anand. Ms. Meghna Pandey 4th Semester B.Pharm & Mr. Milap Purohit, 8th Semester B.Pharm, won the 1st and 2nd rank respectively for their excellent performance.

Documentary film making competition was judged by Mr. Lalji Baldania, Assistant Professor, Anand Pharmacy College, Anand and Ms. Veena Patel Assistant Professor, Anand Pharmacy College, Anand. 4th

Semester B. Pharm group awarded with 1st rank for their documentary film "Why we respect the girls". 6th Semester B.Pharm group was awarded with 2nd rank for their documentary film on "Women's Health".

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9th -10th March -2017

Nootan Pharmacy College, Faculty of Pharmacy, Sankalchand Patel University Visnagar, Gujarat with support of **Association of Pharmaceutical Teachers of India** (APTI) and **Science and Engineering Research Board** (SERB), New Delhi sponsored **organized two days National Conference** on "**Targeted Drug delivery to tumors: myths, reality and possibilities**" on 9th -10th March -2017. The Conference was inaugurated by Dr. S. Y. Gabhe, Professor and Head, Poona College of Pharmacy, Bharti Vidyapeeth Deemed University; was the chief guest of the function, Honorable Prakash Patel, President, Sankalchand Patel University, Visnagar was a president of function, Dr. J. R. Patel, Provost and Dr. Parimal Trivedi, Registrar, Sankalchand Patel University, Visnagar were the guests of honor of function, Dr. Jayvadan K. Patel, Principal and Co-ordinator of event, HODs, Dean, Directors and Principals of various institutes of campus were remaining present at the inaugural function. Honorable Dr. S. Y. Gabhe in his inaugural speech appreciated the theme of the conference and appealed to all the delegates for gain knowledge from respective lectures in innovation in targeted drug delivery. He also focused on latest learning techniques and applied knowledge in field of Pharmacy. Dr. J. R. Patel expressed his satisfaction over the successful organization of national conference and assured to provide such platforms for Pharma professionals in future for betterment of Pharmacy. The conference was attended by 60 research scholars and 40 academicians. On 9th March, the inaugural function was followed by planetary lecture given by Dr. S. Y. Gabhe which was followed by Dr. Mihir Raval, Dean Faculty of Pharmacy and I/C Head, Saurashtra University and SAS software training. In post lunch session the planetary lectures were conducted by Dr. Tejal Mehta, Professor, Nirma Institute of Pharmacy and Dr. J.K. Patel. It was followed by panel discussion. The next day i.e 10th March, the planetary lectures were conducted by Dr. Pragna Selth and Dr. Anita Lalvani, Professors, K.B. Institute of Pharmacy, Gandhinagar. Furthermore, Poster and Oral presentation competitions were organized which were judged by Dr. D.M. Patel, Research Director, Arihant School of Pharmacy and Bio-Research Institute, Gandhinagar and Dr. P. U. Patel, Professor, Ganpat University, Kherva. The function was ended with poster and oral presentation competitions in which more than 31 candidates have participated in poster while 15 candidates have participated in oral presentations. The price distribution was organized where total six prizes were awarded with medal and certificate to students among them three were allotted for poster and three were for oral presentation winners. The participants were satisfied and overwhelmed by the interactive scientific sessions and hospitality of college. More so, in feedback session, the participants have requested Nootan Pharmacy College and co-ordinator of the progarmme to organize more scientific conference for gaining latest innovation in the field of targeted drug delivery in future also.

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20th March, 2017

"Academia and Industry can work together for mutual benefit and for the welfare of the mankind" said Dr H Vinod Bhat, Vice Chancellor, Manipal University during the inaugural ceremony of **"Manipal University – SteerLife Centre of Excellence in Twin Screw Processing"** on 20 March 2017. SteerLife Centre of Excellence, a unit of "Centre for Drug Delivery Technologies", has been set up in the Dept. of Pharmaceutics, Manipal College of Pharmaceutical Sciences (MCOPS), Manipal for the benefit of various institutes of Manipal University, other institutions and industries. While addressing, Dr Bhat congratulated the college for securing a good position in QS Ranking 2017 under the subject of "Pharmacy and Pharmacology" and wished to keep up the momentum. Dr Satish Padmanabhan, Director, STEER World gave an insight into the STEER World. Dr Srinivas Mutalik, Coordinator, Centre for Drug Delivery Technologies, MCOPS briefed about the objectives and scope of the Centre. Dr C Mallikarjuna Rao (Principal, MCOPS) welcomed the gathering and Dr M Sreenivasa Reddy (Vice Principal, MCOPS) proposed the vote of thanks. Dr N Udupa, Dr Satish Shenoy, Dr Raghu Radhakrishnan (Directorate of Research, Manipal University), Dr Arun Shanbhag (Head, Innovation Centre), Dr Aparna (Associate Dean, MCODS), Mr Indu Bhushan

(Chief Technology Officer, SteerLife), Dr Vijay Kulkarni (Senior Scientist, SteerLife), Dr K B Koteshwara (Head, Dept of Pharmaceutics) and many other dignitaries were present during this occasion. There was a panel discussion with scientific team of SteerLife and faculty of MCOPS for possible projects execution and demonstration of the Twin Screw Processor.

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The **two days workshop** was organized as a part of **skill development programme** for the **B. Pharm Final year students of the institution** on 18th & 19th February, 2017 in order to provide practical training on production of tablets on pilotscale. Two experts from industry including Mr. Jagat Jyoti Sahu, asst. manager, Manufacturing Science & Technology (MSAT), Dr. Reddy's Laboratories Ltd., Vishakhapatnam were invited to train the students learnt about the qualification of eqipment, validation of processes and other aspects of quality assurance as per the cGMP. The students documents required data/information on the batch they have undertaken for manufacturing of paracetmol tablets I.P by following the BMR including master formula, SOPs, etc. The prepared tablets were evaluated as per the offical protocols and the results were documented. The training was conducted in the industrial pharmacy laboratory which provided pilot scale equipment such as Double cone blender, RMG, FBD, Rotary Tablets Machine etc. The students were given instructions about the tooling's for compression of the tablets and also provided with gloves, mask and head cap and also given clean footwear and clean apron during the workshop. Sixty Students undergone this training and immensely befitted by the programme which was very much appreciated by staff, students and management. some more industrial oriented workshops of this kind are planned on regular basis by the institute in future.

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25th March, 2017

A **National Conference on Traditional Medicine** was organized on March 25, 2017 at **SMS Medical College**, Jaipur during Seven Decade Celebrations of the College in association with the National Institute of Ayurveda (NIA), Jaipur. The Conference was inaugurated

by the Dr Sanjiv Sharma, Director, NIA. The highlight of this event was 26th Prof Prem Chand Dandiya Oration which was delivered by Prof. Ashok DB Vaidya, Research Director, Medical Research Centre, Kasturba Health Society, Mumbai, Adjunct Professor, Saurashtra University, Drexel University College of Medicine, and Trans-Disciplinary University, Gujarat Vidhyapith. He delivered oration on "The Future of Healthcare: The Role of Integrative Medicine'. In line with recently declared National Health Policy (NHP) by the Government of India in the parliament on 16th March, 2017, he emphasized the golden triangle approach (GTA) to integration, in health-care and biomedical research. This initiative needs to be resurrected at both the state and central levels for health-care services, education and trans-disciplinary/system research. The NHP stress on holistic approach, pluralism and mainstreaming of AYUSH. The potential of GTP is immense for meeting the challenges of the major communicable and non-communicable diseases, with novel and AYUSH-based multisystem R&D. He pointed out that optimistic vision of NHP "aims at assured healthcare to underprivileged." The policy proposes free drugs; free diagnostic and free emergency services at all public hospitals. Even then, one wonders how such a universal healthcare would be attained at all with a marginal increase from 0.26 % in 2016-17 to 0.30 % of GDP in 2017-18. The medical research and development budget has been cut from Rs1.58 crore to Rs 1.16 crore! The NHP is also silent on the major advances in biomedical R&D which need support and encouragement in fast track translational research. Actually, the R&D budgets for applied basic research in life and health sciences are dwindling to an alarming extent. The stress on revival of Ayurveda is fine because the system has been neglected for long. But renewal and renaissance in life and health sciences are needed in Integrated Ayurveda and Integrated Medicine. For such Translational Research, the novel paths can be supported and developed viz. Reverse Pharmacology, Systems Biology, Observational Therapeutics, Ayurvedic Pharmacoepidemiology, Ayurgenomics and Reverse Nutraceutics.

Oration was chaired by Dr JS Bapna, Emeritus Professor and vote of thanks was proposed by Dr Nirmal Gurbani, Professor, IIHMR University, Jaipur

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24th–25th March, 2017

A two day **Department of Biotechnology (DBT) and Indian Council of Medical Research (ICMR)** Sponsored **National Conference on Impact of Pharmaceutical Biotechnology on the Future of Medicine** was recently organized by **Geetanjali Institute of Pharmacy**, Geetanjali University, Udaipur on 24th–25th March, 2017. Around 400 delegates comprising of Deans, Principals, teachers, research scholars, post graduate and graduate students from various institutes across India participated in the two day conference.

The proceedings of the conference can be unfurled into eight parts. On first day the first part included the inaugural session, three scientific sessions, followed by the session consisted of oral and poster presentations. Second day consist of two scientific sessions and final part included the valedictory session which marked the end of the academic event.

The inaugural session of the conference begun at 10.30 AM at Lt. Smt. Narmada Devi Agarwal Auditorium with the invocation song and lighting the lamp in the presence of Goddess Saraswati by Dr. Bhaswat S. Chakraborty, Senior Vice President and Chairman, Research & Development Core Committee, Cadila Pharmaceuticals Ltd. Ahmedabad, Gujarat; Dr. S. C. Tiwari, Principal Scientist, Research & Development (Chemical Technology) Rotam Agrochemicals (HK) Co. Ltd., China, Director- RITC-RCPPL- Sanawad, Udaipur; Prof. (Dr.) Ashok Dashora, Convener of conference, Dean, GIP; Dr. Kalpesh Gaur, Organizing secretary; Dr. C. P. Jain, Professor, Department of Pharmacy, MLSU, Udaipur; Dr. P. K. Choudhary, Professor MLSU, Udaipur; Dr. M. S. Ranawat, Dean, Faculty of Pharmacy, B. N. University, Udaipur; Dr. Y. S. Sarangdevot, Principal, B. N. College of Pharmacy, Udaipur; Mr. Alok Bhargava, Executive Committee Member, PCI, New Delhi. The guests and gathering were formally welcomed by Dr. Ashok Dashora (Dean-GIP). He continued his words and talked about his mission towards vision & values. He believed that the conference will be landmark in the journey of research and development in the field of biotechnology.

Shri Ajay Phatak (Drug Controller of Rajasthan) graced the occasion as a Chief Guest and emphasized the importance of innovation for improving the delivery of drugs. He ensured us that he is working on his dream to make Udaipur a pharma hub. He continued his words by talking about H'ble PMs "JAN AUSHADHI YOJNA" and encourages the pharma institutions to bring a step forward and start JAN AUSHADHI KENDRA by their institutions. He appreciated the two days conference and said Biotechnology is very useful for future development of medicine. He shows his belief that this conference will lift the future of students and ensured his presence and help whenever required to students.

The event is followed by key note address by Dr. Bhaswat S. Chakraborty (Senior Vice President and Chairman, Research and Development Core Committee Cadila Pharmaceuticals Ltd. Ahmedabad, Gujarat, India) on "Development of Biosimilars". Biotechnology is a way and predominant force in pharmacy field. Biosimilars are any copy of patented biological and very similar to innovator, he said. He talked about principals of developing biosimilars, purpose of biosimilarity determination. Development of biosimilar takes average time of 7.5 years which is 5 years more than genetic drug. He explained the development process of biosimilars which is developing equivalent host cell, preparing cell bank clones, process development, progress manufacturing scale and comparing testing. Recent changes in D & C regulations & SC derivatives are progressive and had made many things transparent, he concluded.

This was followed by a scientific session by Dr. S. C. Tiwari (Principal Scientist –R&D (Chemical Technology) Rotam Agrochemical (HK) Co. Ltd., China; Director-RITC-RCPPL-Sanwad Udaipur -India) on "Introduction and Application of Biotechnology in Pharmaceutical Science". He educated the audience that biotechnology has been used for thousands of years to produce improved food, health care products & environmental treatments. He talked about chronological development & evolving era of biotechnology. He classified biotechnology as red (medicinal biotechnology), white (industrial biotechnology), green (agricultural biotechnology), blue (marine biotechnology) and grey (environmental & sanitation). Grey biotechnology is growing part which grows into treatment of plastic and waste, is to be explored, he continued. He explained tools of biotechnology, which are bioprocessing, genetic engineering etc. He also talked about some applications of biotechnology. Biotechnology plays a pivotal role in future of the medical, agricultural, environmental, food, pharmacy & industrial sector of economy. He motivated the audience to move faster to invent more & more in biotechnology area to culminate in to most economic and sustainable technologies.

The post lunch session started with a lecture by Dr. Nitin K Jain (Scientist "E", Department of Biotechnology, Ministry of Science & Technology, Block-II, CGO Complex, Lodhi Road, New Delhi, India) titled

"Biopharmaceuticals; an Indian Perspective". His innovative talk included extended regulations for development of biotechnical products. He compared top best selling drugs in 2003/2013 and concluded that only 1/10 drug was related to biotechnical process in 2003 whereas in 2013 7/10 drugs were related to biotechnical process. He ended his session talking about issues related to patenting biotechnological inventions.

This scientific session was followed Oral presentation and poster presentation in which delegates presented their views and ideas on the concern topic and evaluated by experts. The day was ended with an open discussion and interaction session on high tea.

Second day of conference begun with talk of Dr. Abhay Madhukar Harsulkar [Professor & Head, Pharmaceutical Biotechnology, Poona College of Pharmacy, Bharti Vidhyapeeth Deemed University, Erandwane, Pune and Scientist F, Interactive Research School of Health Affairs (IRSHA)] on "Nutrient Gene Interaction: Fundamental Approach In Disease Management" in which he described about the nutrigenomics: how nutrients effect our genes and health. It consists of pharma, food and human genomics. He described that the food we eat is bioactive and works on our DNA & RNA and also explained about applications of genomics in nutrient research & study of nutrient gene interaction. He also educated the audience how genes are responsible for variation of cellular responses to environmental stimuli, also about functions of gene, biological role of encoded proteins, chromosome remodelling. This is era of better nutrition, he ended.

The last scientific session was on "Quantitative Analysis of Endogenous Biomarkers: Challenges and Results" by Dr. Yashpal Singh Chhonker, (Postdoc Research Associate, Department of Pharmacy Practice, College of Pharmacy, University of Nebraska Medical Center, Omaha, NE 68198, United States). He spoke about the various quantitative analytical techniques. He described pharmacokinetics, pharmacodynamics & general stages and their relationship in the life cycle of drug after administration. He listed about various advantages of mass detectors in method development and validation. He also educated the gathering about biomarkers, major functions of biomarkers in clinical trials, pharmacodynamics & efficacy of biomarkers.

After the scientific sessions of the conference, the valedictory function was started in which the conference was concluded by Mrs. Santosh Kitawat, Assistant Professor, Geetanjali Institute of Pharmacy. The winners of poster & oral presentation were awarded by Guests. The first prize for poster presentation was won by Mr. Abdul Rasheed, Al-Ameen College of Pharmacy, Bengaluru. The second prize was awarded to Mr. Jeevan Menaria, AMC, RNT Medical College, Udaipur & third prize was given to Ms. Monika Sen & Ms. Inu Rawal, Department of Biotechnology, MLSU, Udaipur. In Oral presentation, the first prize was awarded to Dr. Veenu Bala, Department of Pharmacy, MLSU, Udaipur, Second prize was won by Dr. Virendra Singh, Geetanjali Institute of Pharmacy, Geetanjali University, Udaipur and the third prize was won by Dr. Rahul Garg, Geetanjali Institute of Pharmacy, Geetanjali University, Udaipur. The vote of thanks was given by Dr. Kalpesh Gaur, Organizing secretary. He expressed his thanks to all the guests for accepting the invitations, sponsors for support and encouragement. He highlighted the issue of the conference. All the working committees performed their function with full devotion and sincerity. The conference can be declared as a success as far as the feedbacks of students and resource persons are considered. The conference deliberated the path of the pharmaceutical biotechnology development and showcases some of the cutting edge technologies, latest developments and efficient methodologies.

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25th - 26th March, 2017

Department of Pharmaceutics, Faculty of Pharmacy in Collaboration **Cipla Limited**, Mumbai organised 2 day workshop "**Dissolution, Bioequivalence and IVIVC**" theme of the Program Fundamentals of Dissolution testing, Bioequivalence studies, Invitro -Invivo correlations on 25th - 26th March, 2017at Gallery Hall, Faculty of Pharmacy, SRU.

Dr. Y. Ashokraj Team Leader, IVIVC (Biopharmaceutics & Pharmacokinetics), Cipla Ltd., Mumbai was the chief guest 33 Delegates attended the workshop, Eesource Persons Dr. Y. Ashokraj, Team Leader, IVIVC (Biopharmaceutics & Pharmacokinetics), Cipla Ltd., Mumbai, Dr. Praveen Date, IVIVC (Biopharmaceutics & Pharmacokinetics), Cipla Ltd., Mumbai. Dr. R. Rajesh, Senior Manager, R & D Quality, Apotex Research Private Ltd., Bangalore.

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APTI Members are invited to contribute for the collectors Album and the Continuing Education sections of the APTI Bulletin. Kindly send your write ups and the collection to be shared by all the Members at aptienquiry@gmail.com, or dangraman2000@yahoo.co.in.

Women's Day Celebrations

APTI women's forum celebrated women's day in a grand manner. The theme of the day was " Inspire and Celebrate". The function started with invocation song by Dr. Chaitra Srinivas followed by lighting of the lamp by all dignitaries. Dr.Raman Dang, Secretary, APTI delivered his introductory speech about women empowerment.

Dr.Pravin Digambar Chaudhari, President, APTI, welcomed the dignitaries. He enunciated that woman is an epitome of maturity, extra ordinary power of tolerance, endurance and the first role model to the society and encouraged all women forum members to do patentable research and upgrade and update their knowledge and skills to match up with their contemporaries and wished a peaceful life and bright future to all.

Dr. Vandana B Patravale, convenor of women's forum, expounded regarding the history of women's forum which started on 8th March, 2014 and is presently having approximately 1500 members. She motivated all women pharma scientists with her speech on "Technology transfer from bench to bed side:Challenges, learnings and opportunities".

Dr.Shalini Rajneesh, Chief Guest , Principal Secretary to Government of Karnataka, Health and Family Welfare requested all pharmacists to counsel the patients, especially regarding the side effects of antibiotics.

Dr. B L Sujatha Rathod, Guest of Honour, Professor of Ophthalmology, Bangalore Medical College & Research Institute, Bangalore, noted in her speech how women stand to create difference in the society and requested all to join hands to make a safe society. She requested that each mother should teach her child to respect women which can lead to a healthy society.

Special invitee, Dr. Amina Ather, Chief Scientific Advisor for Health Education, UNESCO, encouraged all women to enjoy each day as women's day and to appreciate oneself.

Dr.Vimala Devi, CEO, Auro Pharma (P) Limited and Dr.Maharukh Rustomjee, CEO, Amaterasu Life Sciences LLP, were felicitated for being women of substance.

Inspirational and motivational scientific sessions were delivered by Dr.K.Ruckmani, Professor, Department of Pharmaceutical Technology, Anna University, Thiruchirappalli, on "Translational Research: Mind to Market-Lessons for the Researcher", Dr. Ritu Medhiratta, consultant-IP Manager, Centre for cellular and molecular platforms NCBS—TIFR, Bangalore on "IP & Technology Transfer", Mrs. Ivy Louis, Founder Director, VIENNI Training and consulting LLP, Bangalore & President-Elect PDA India Chapter on "Strength and its interpretations at work", Dr.HS Savithri, Professor & Head, Department of Biochemistry, Indian Institute of Science, Bangalore on "Career Opportunities for women in Scinece and Technology".

The celebrations concluded with entertainment programme.

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CELEBRATE

ASSOCIATION OF PHARMACEUTICAL TEACHERS OF INDIA
Headquarters: Bengaluru
APTI Women's Forum
Celebrates

APTI Women's Forum
Celebrates

Women's Da
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8th March
SPIRE ANI

Dr. avin Chaudhari

Rudrappa Patil
Dr. Raman Dang

Ph.D AWARDEES

Dr. Ganesh Raosaheb Godge, Assistant Professor, Department of Pharmaceutics, Dr. V. V. Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar, Maharashtra, has been awarded the degree of Doctor of Philosophy (Ph.D.) in Pharmaceutical Sciences by Jawaharlal Nehru Technological University (JNTU), Hyderabad, Telangana State in the month of Feb-2017. He has carried out research work entitled, **"Studies on Development of Chrono-Colon Targeted Drug Delivery Systems"**, under the guidance of Dr. S.N.Hiremath, Professor and Principal, PRE's College of Pharmacy, Pravaranagar, Loni, Tal. Rahata, Dist.Ahmednagar. He has over 09 years of teaching experience and has published 20 research articles in various national and international journals and has published 3 text books. He has presented several papers in national and international conferences. He acknowledges management of Dr. V. V. Patil Foundation Vilad Ghat, Ahmednagar and Principal, Dr. V. V. Patil Foundation's College of Pharmacy, Vilad Ghat, Ahmednagar for providing their constant support during the research work. He is a life member of APTI.

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G. Nartunai, working as Research Officer (Pharmacognosy), (IPA membership No.: TN/MDS/LM/0374) Captain Srinivasa Murthy Regional Ayurveda Drug Development Institute (CSMRADDI), under CCRAS, Ministry of AYUSH, Govt. of India, Chennai, has been awarded the degree of Doctor of Philosophy (Ph.D.) in Pharmacy on 18.03.2017 at Sri Ramachandra University, porur, Chennai, Tamil Nadu for his research work entitled on "**Development of Quality Standards for Ayurvedic Medicinal Plant** Symplocos crataegoides Buch.-Ham. ex D. Don **and its Differentiation from** Symplocos racemosa Roxb." under the guidance of Dr.R.Ilavarasan, Assistant Director (S-3) In-charge, CSMRADDI and Co-guidance of Dr.C.Uma Maheswara Reddy, Professor and Head, Dept. of Pharmacology, Sri Ramachandra College of Pharmacy, Sri Ramachandra University, Porur, Chennai. He is experienced in the area of Pharmacognosy and developed monographs for Ayurvedic Pharmacopoeia of India and Quality Standards for Indian Medicinal Plants by ICMR. He sincerely acknowledge to family, Guide, Co-guide and other teaching and nonteaching staff of Sri Ramchandra University for their help, encouragement and co-operation during course of research work.

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Dr. Neeraj K. Sharma working as an Associate Professor at Pacific College of Pharmacy, Pacific University, Udaipur, Rajasthan has been awarded the Degree of Doctor of Philosophy (Ph.D.) in Pharmacy by Nirma University Ahmedabad, Gujarat for his research work entitled **'Formulation and Characterization of Photosensitive Liposomes of Anticancer Drugs'.** The research work was carried out under the guidance of Prof. (Dr.) Vimal Kumar, Principal, Atmiya Institute of Pharmacy, Rajkot (Gujarat) .

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Mr. Ethiraj T, Assistant professor, Department of Pharmaceutics, The Erode college of Pharmacy and Research Institute, Erode, Tamil Nadu was awarded Ph.D on 10 Feb 2017 in Pharmacy by The Tamil Nadu Dr.M.G.R.Medical University, Guidy, Chennai. His thesis entitled **" Studies on the crystal Forms of selected Fluoroquinolones".** The research work was carried out under the guidance of Dr.V.Ganesan, Principal, Professor and Head, Department of Pharmaceutics, The Erode college of Pharmacy and Research Institute, Erode, Tamil Nadu. He has published his research paper in various journals and International journals.

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Dr. Chaus Wajid Ahmed Nisar Ahmed, Associate professor & Head Department of Pharmaceutics, Dyanand College of pharmacy, Latur has been awarded the Degree of Doctor of philosophy in pharmaceutical Sciences by Jaipur National University, Jaipur.

He has carried out research work entitled **"Design and Evaluation of drug implant**

for post operative surgical care & rheumatic diseases" under the guidance of Dr. B. Shrivastava, Director, School of Pharmacy, Jaipur National University, Jaipur, with the co guidance of Dr. Aamer Quazi, professor & HOD Pharmaceutics, K.T Patil pharmacy College, Osmanabad, Maharastra.

Dr. Chaaus Wajid has 11 years of teaching & 1 year of Industrial Experirnce. He has published 12 research papers in International & National Journals, he has attended & presented research work in various confrences.

He is presenting his research poster in "International Summit on Pharma & Clinical trials', going to be held at Sydney, Australia on 12-13 June, 2017 by innovate confrences.

He is also appointed as associate editorial board member, advisory nboard member & review board member in different international & national journals.

Dr. Chaus Wajid is life member of APTI & registered Pharmacist under State Pharmacy Council India, Maharashtra

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KUDOS

Mandsaur Dt- 28-05-2017 Prof. Hardas Founder director of Indian Pharma Guidance Academy A Govt. Regd. NGO and ISO 9000 : 2008 Certified education organization has presented his slide show on history of Indian Library Science, in the recently held 2days national work shop on – Open source software – Koha Traing and certification, held at Mandsaur University , Mandsaur MP. The work shop was inaugurated at the hands of Voice chancellor of Mandsaur University, Dr. Prashant Pandey and Dr. Sk. Pathak Deputy Director of Information Technology, at IISER, Bhopal under Ministry of HRD was the Chief guest.

Dr. SK. Pathak, has thrown light on the present software and commended the training and facilities provided by the Koha National Workshop towards the full digitalisation of the library science.

Prof. Hardas in his Slide show presented the birth, rise and present status of the Indian Library Science Chronologically as on date. His presentation Showing the photos of 1st library in India, the formation of 1st National Library at Cullcutta, the 1st National Librarian of India and the 1st Graduate of B.Lib. Science and P.hD in this field was shown with their History similarly India's Biggest 20 libraries with their details with photo was shown. Also he recalled the contribution done by Late Maharaja Sayajirao Gaikwad of Baroda Providence, from 1931 who were the pioneer in the movement of library science activity in India.

He also depicted the contribution done by Prof. S.R. Rangnathan, Rightly called as father of Indian Library Science as on Date.

All the dignitaries and more than 200 librarian registered delegates coming from 8 Different states of India commanded this live presentation.

The two Days workshop concluded with a vote of Thanks proposed by Dr. Pradeep Kumar Gupta, Present HOD. Of library Science at Mandsaur University and every delegate commanded the excellent arrangement done by his team of workers. The Guest presented A new concept in library that is Human Library and Library KIASKOS based on Japanese pattern, to be tried in our country. The Present digitalisation and open access method has be done the role of librarians to the enforce to be taken by the students of Indian Universities to Achieve the Highest Success in this field. Dr. Sandeep Pathak released the CD and the book based on UGC Net examination to help the students to appear in various competitive examinations.

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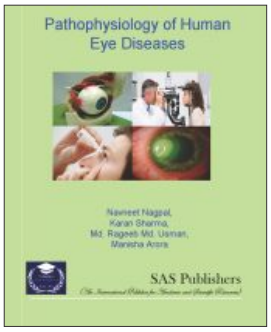

Navneet Nagpal, Karan Sharma, Md. Rageeb Md. Usman & Manisha Arora written book entitle "Pathophysiology of Human Eye Diseases" Published from SAS Publisher Pvt. Ltd. ISBN- 978-81-932299-5-8 Available at Website and Social media etc. This engaging book introduced by skilful authors who are professionally sound in their field has done a masterful job by compiling various data available on eye diseases with their clinical treatment. This is a vital book. Authors give us a compassionate book and it will encourage, guide and liberate you. The authors have clearly learned a lot from their professional experiences. The book containing wide knowledge on pathophysiology of eye diseases will help research scholars, P.G. students, students pursuing their careers in eye specialization, Bachelor of Science in nursing and attending physicians. It is designed in such a way that it covers a vast amount of ocular pathology, diagnosis, symptoms and treatment that is easy to understand throughout the book. The eyes are important because humans use and rely upon them. We use vision in our day to day lives. Those without that capability face many obstacles in life. Here, contents of this book will help to understand and work around such, substituentes, medical treatment to restore the capability.

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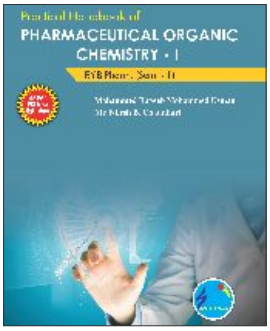

Mohammed Rageeb Mohammed Usman and Nilesh B. Chaudhari written book having title "Practical Hand Book of Pharmaceutical Organic Chemistry–I" and designed to give students training in general reactions of simpler members of each of the main classes of organic compound. Over the year there have been many developments in the methods of analysis adopted for organic substance and inorganic mixture. The Objective of this book is that the students should get collectively the basic principle along with procedures for inorganic analysis.

This book is written with an intention to benefit the Science, Diploma and particularly for F. Y. B. Pharm. (Sem.-II) Students (As Per PCI New Syllabus). In this book the basic principle and procedure underlying the experiment have been discussed, which will help the students to understand the experiment easily. List of organic compound, separation of binary mixture and complete analysis of each compound has been prescribed and the students are asked to identify the given compound by performing certain tests. We welcome constructive Suggestion from all corners of Professional.

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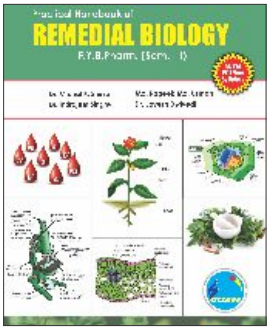

Dr. Mrunal K. Shirsat, Md. Rageeb Md. Usman, Dr. Indrajeet Singhvi & Dr. Jayesh Dwivedi written book "Practical Hand Book of Remedial Biology F. Y. B. Pharm. (Sem.-I) (As per PCI New Syllabus)" with an intention to benefit the Diploma and UG students for easy understanding. The generally acknowledged importance of study of Pharmacognosy as a branch of useful knowledge, and the constantly increasing recognition of its extended practical, as well as scientific applications. The work, here presented will doubtless at once indicate the aim and the scope of the science of Pharmacognosy, and clearly demonstrate its intimate connection on every hand with chemical, botanical, Macroscopically and Microscopical science. Pharmacognostical study the active and other constituents of drugs, such as may be obtained in crystalline form from sections, from extractions of small quantities of powders, or from a few drops of an extracted solution as obtained in assay work. Particularly these books include PCI New Syllabus for F.Y. B. Pharmacy Students. Pharmacy Council of India are Prescribed by New Syllabus of All over India.

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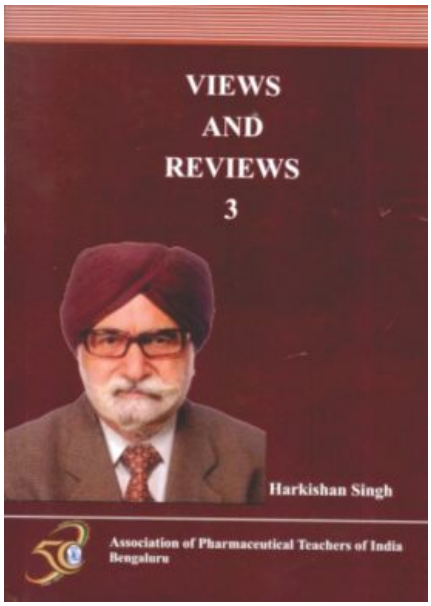
BOOK REVIEW

Title: **Views and Reviews 3**
Author: **Professor Harkishan Singh**
Publisher: **Association of Pharmaceutical Teachers of India, Bangalore, India**
Year: **2016**
Pages: **318**



Recently, when an announcement came that Professor Harkishan Singh has been chosen for Padma Shri Award, I was one among his long list of students whose joy was limitless. Therefore, it was natural for me to rush to his place to personally congratulate him, having the advantage of being only a few kilometres away from his residence. My best half was also most happy to accompany me. After an hour of blissful time together, when we rose to leave, Professor Singh gifted me his latest treatise entitled 'Views and Reviews 3' published by APTI, Bangalore. As also outlined in preface in the book by Prof. Singh, this is the third volume in the series. The first volume was published in 2008, second in 2012 and the current volume in 2016, each after a gap of four years. Although this series is a compilation of already published articles, what is creditable indeed, is the dedication being put in by Professor Singh at his tender age of 88 plus years to tie information into bound volumes, for the benefit of future generations.

Respecting my teacher and Guru, I have thoroughly gone through the book, page to page, and found all 25 chapters to be an interesting reading. In particular, it was an eye opener on how much effort had gone

in bringing NIPER into existence. The long history of the institute has been traced very lucidly in 7 chapters. I consider myself most lucky and privileged person to enjoy the fruits of efforts by very worthy peers, as myself happens to be the first employee of NIPER, SAS Nagar (mention on p. 135) and by that virtue of any of the NIPERs.

Also, a good part of this treatise is dedicated to luminaries of pharmacy profession, both from India and abroad. These include Prafulla Chandra Ray (A chemist who was behind establishment of Bengal Chemicals and Pharmaceutical Works Limited), Amrut Vithaldas Mody (Chairman and MD, Unichem Laboratories Limited), Mahadev Lal Schroff (Banaras Hindu University; his early life, patriotic fervour and journalistic pursuits are highlighted in two chapters), Kanny Lall Dey (Pioneer proponent of indigenous drugs), Sahib Singh Sokhey (An eminent medico-pharmaceutical professional), David Waldie (First to start chemical manufacturing in India) and Apostolos Raptakos (Greece born Indian industrialist, who established in partnership m/s Raptakos, Brett & Co Ltd.). In many of these biographical sketches, professional interests and role of these prominent persons in IPA and IPCA activities is highlighted. Atleast one chapter is dedicated to establishment of IPA by Mahadev Lal Schroff and professional affiliation of Bawa Kartar Singh to the Association.

Among the other titles, there is one chapter on historical perspective of hospital pharmacy in India; two other titles on medical –pharmaceutical milieu in colonial India, and its inheritance; and two chapters covering history of Madras Medical Journal and The Indian Lancet. The Medicinal Chemistry research in India has been traced under still another heading.

Apart from the above, Professor Singh has described the life in his village Khara in 1940s. Also included is narration of one of his interviews, which gives brief account of his life in early years, his family, his coming to study pharmacy, an account of his research and professional activities, and his foray into pharmaceutical history, including in-depth search into life of visionaries of pharmacy profession. And finally, he has included text of his speech at the USciences' Founders' day celebrations on conferment of Honorary DSC degree to him. A very brief CV of his is added as an Appendix.

I will recommend this 3rd volume to all pharmacy friends and libraries, as it is a very valuable collection of writings of a living legend, who happens to be the only pharmacist to be conferred with Padma Shri.

Dr Saranjit Singh
National Institute of Pharmaceutical Education and Research
Sector 67, SAS Nagar 160062, Punjab

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COLLECTOR'S ALBUM

Yoshinori Ohsumi

(Born: 9 February 1945, Fukuoka, Japan),

received **Nobel prize** in 2016 for his discoveries of "mechanisms for autophagy", which is a normal physiological process in the body that deals with destruction of cells in the body

Contributed by
Dr. Kuntal Das

Professor
Krupanidhi College of Pharmacy
Bangalore

MACI- An autologous cellularized scaffold for the Treatment of Symptomatic Cartilage Defects of the Knee- A boon to surgery field

Kuntal Das* and Raman Dang
Department of Pharmacognosy and Natural product chemistry, Krupanidhi College of Pharmacy,
#12/1, Chikkabellandur, Carmelaram Post, Varthur Hobli, Bangalore-35.

Abstract

Cartilage defects in the knee can result from an injury, straining the knee beyond its normal motion, or can be caused by overuse, muscle weakness, and general wear and tear. Matrix-induced autologous chondrocyte implantation (MACI) is the first FDA-approved cellularized scaffold product in the year 2016 that applies tissue engineering processes to grow cells on scaffolds using healthy cartilage tissue from the patient's own knee and a new procedure to treat the articular cartilage defects of the knee. Clinical trial evidence showed the safety and efficacy of MACI.

Introduction

Knee problems are common, and occur in people of all ages but the location and severity of knee pain may vary, depending on the cause of the problem like by injuries, mechanical problems, types of arthritis and may be some other problems (Fig-1)[1]. Signs and symptoms that sometimes accompany knee pain include Swelling and stiffness, redness and warmth to the touch, weakness or instability, popping or crunching noises, inability to fully straighten the knee etc. As a result knee injury can affect any of the ligaments, tendons or fluid-filled sacs (bursae) that surround knee joint as well as the bones, cartilage and ligaments. Articular cartilage is a tissue that covers the surface of the joints and is responsible for pain-free movement of the bones within the joint (Fig: 2). It is a tough and elastic material. Hence articular cartilage plays important role for free movement of the knee. But sometimes disorder occurs in young adults (age around 40 years) by injury, overuse, parts out of alignment, muscle weakness or by traumatic sport-accident and as a result, is the cause of severe pain, knee swelling, substantial reduction in mobility[2]. Damaged articular cartilage has no healing capacity due to its relative metabolic inactivity and lack of blood supply[3].

Many options have been developed for the treatment during past to repair damaged articular cartilage like drilling, abrasion, microfracture and autologous matrix induced chondrogenesis[4] but a serious challenge for orthopaedic surgeons is the treatment of injured joint surface cartilage in the young and active patient. Localized damage to one of the surfaces of the knee joint can lead to degradation and destruction of the opposing healthy joint surface. Total knee replacement is an excellent option in the older patient, but for young active patients who are not candidates for knee replacement. Thereafter a surgical technique was developed in Sweden by Dr. Lars Pederson for the treatment of articular cartilage defects in the knee, known as autologous chondrocyte implantation (ACI) and it shows promise in restoring hyaline cartilage to the healing joint surface rather than fibrocartilage[5]. ACI was first utilized in humans in 1987. It requires two surgeries but the method is not always successful. Furthermore a boon to surgical field occurs with a culture of autologous chondrocytes on a three-dimensional artificial scaffold that is known as matrix-induced autologous chondrocyte implantation (MACI) that is the best chondrocyte transplantation technique than formers for the treatment of Knee pain. It is an easier, more effective method of implanting cultured chondrocytes into the knee joint.

Working of MACI:

Maci is composed of a patient's own (autologous) cells that are expanded and placed onto a bio-resorbable porcine-derived collagen membrane that is implanted over the area where the defective or damaged tissue was removed. Each Maci implant consists of a small cellular sheet containing 500,000 to 1,000,000 cells per cm^2. The amount of MACI administered depends on the size of the cartilage defect, and is trimmed to ensure that the damaged area is completely covered. Multiple implants may be used if there is more than one defect.

It has following steps[6]:

1. Initial arthroscopy with evaluation of the injured cartilage and harvest of a full-thickness cartilage biopsy;
2. The biopsy is sent in a sterile and cooled container to the cell culture laboratory;
3. The cartilage is enzymatically digested;
4. Expansion of the chondrocytes in monolayer culture for about four weeks;

5. The cells are seeded onto the scaffold a few days before implantation;
6. The engineered implant is sent back to the surgeon in a sterile container;
7. Definitive surgery with debridement of the injured cartilage followed by implantation of the MACI-implant.

Furthermore the safety and efficacy of MACI was performed on long term clinical trial with 144 patients and revealed efficacy with effective data support for long-term clinical benefit and USFDA has approved MACI® for the repair of symptomatic single or multiple full-thickness cartilage defects of the knee with or without bone involvement in adults.

Conclusion: The MACI implant consists of autologous cultured chondrocytes seeded onto a resorbable Type I/III collagen membrane. It is an autologous cultured chondrocytes are human-derived cells, obtained from the patient's own cartilage. The implantation is easy, safe and effective. MACI is the first Tissue-Engineered Autologous Cellularized Scaffold Product, and was approved by the USFDA in 2016.

Fig. 1: Common Knee problems

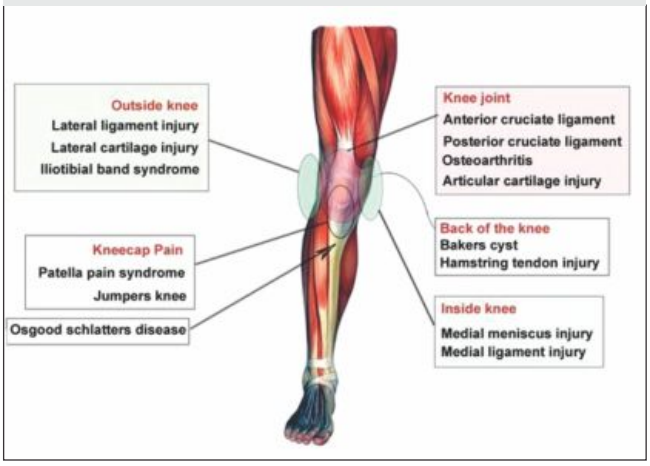
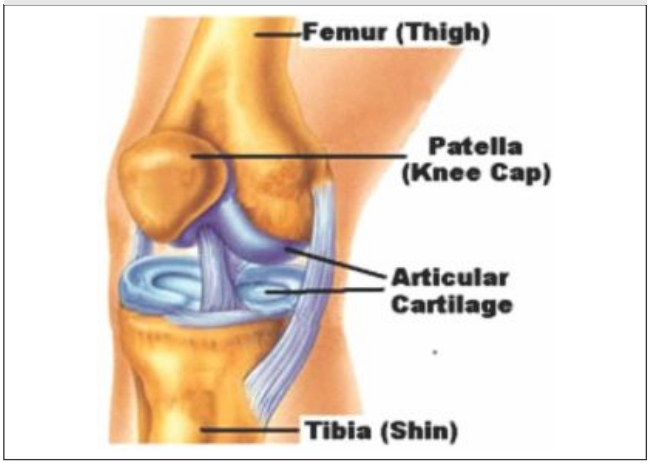


Fig. 2: Articular Cartilage in Knee



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