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APTI Celebrates Golden Jubilee Year

OFFICIAL DESK

It is heartening to state that Association of Pharmaceutical Teachers of India has completed 50 years of its existence. Therefore, I take this opportunity to heartily appreciate and humbly revere all the former Presidents, Vice-Presidents, Secretaries and other office bearers who have made concerted efforts to usher APTI to newer heights. Moreover, their active participation and valuable contribution to APTI since its inception till date has provided an impetus for orchestrating new roadmap for the future course of action for APTI.

I am happy to state that the commemoration of Golden Jubilee year of APTI will include several academic events in order to exhilarate all the teachers. APTI will host Indian Pharmaceutical Congress-2017 to provide an ideal forum for broader deliberations and holistic interactions in order to boost industry-institute partnership to carry out high-end patentable research.

It is also contemplated to felicitate eminent pharmacy teachers of the country in recognition of their invaluable contributions to this domain. It is also decided to develop a portal of the pool of distinguished academicians and eminent industrial experts to utilize their expertise for upgrading and updating the pharmacy education and research.

APTI will undertake the construction of APTI- Acharya B. M. Reddy Innovation, Incubation and Education Centre for teachers' training at Bengaluru with state-of-the-art facilities. It is also pondered to make continuous and concerted efforts to conduct workshops and conferences on Pharmacy education with relevance to current and contemporary needs. The safety, job security and teacher's welfare is a highly sensitive issue which needs to be carefully discussed on this occasion.

In today's scenario, Pharmacy professionals must be equipped with multiple-skills and personality development. In this context, efforts will be made to organize special skill development programs to orient teachers. APTI will make all-round efforts to provide an ideal platform to Women Forum for conducting various activities for the motivation of Women Pharmacy teachers. It is also decided to release a well-edited documentary of APTI to commemorate the Golden Jubilee Year.

Prof. Dr. Praveen D. Chaudhari
President, APTI Central

Central Office Bearer APTI 2016-19

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Photographs and other details awaited of Executive Committee from the Bill of mentioned State Branches

1. Andhra Pradesh State Branch

   President : Dr. Devala Rao Garikapati

   Vice - President : Dr. Niranjan Babu Mudduluru,
   Dr. Murali Krishna Kumar Muthyala

   Secretary : Dr .Nagaraju Ravooru

   Treasurer : Dr. Ravindra Reddy

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   Vice-president : Dr M S Ashawat,
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3. Kerela : No Elections

4. Maharashtra State

   President : Chandrashekhar Devidas Upasani

   Vice President : Bhise Kiran Sanjay
   Sanjaykumar Baburao Bari

5. Tamil Nadu State

   President : K L Senthilkumar

6. West Bengal State

   President : Dhanabal Kumarasamy

INSTITUTIONAL NEWS

21st July, 2016

The NSS unit of Srinivas College of Pharmacy organized Vanamahotsava at Valachil Campus on 21.07.2016. More than 30 saplings of medicinal plants were planted by the staff and students of Srinivas College of Pharmacy. Shripathy.D, NSS Programme officer, Department of Pharmaceutics, Srinivas college of Pharmacy, welcomed the guests and explained the environmental protection initiatives taken up by the college.

Dr A.R.Shabaraya, Principal and Director, Srinivas College of Pharmacy, Mangalore and Dr. E.V.S. Subrahmanyam, HOD and professor Department of pharmachemistry, Srinivas College of Pharmacy, Valachil, Mangalore participated in the function and briefed the importance of Vanamahotsava and congratulated staffs and students for their active participation.

Mr. Gopikrisna, NSS Programme officer, proposed the vote of thanks. All the faculty members and students actively participated in the function.

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22nd - 23rd July 2016

A two day conference and workshop titled "Micro-RNA as biomarkers and diagnostics" was organized at Shri Vishnu college of Pharmacy, Vishnupur, Bhimavarm in collaboration with Scientific and Applied research centre, Hyderabad on 22nd and 23rd July 2016.This workshop is sponsored by SERB, DST, Govt. of India.

The programme consisted of two Technical sessions and e poster presentations. On 22nd Dr. Boga Ramesh Babu, Managing Director, Boga R Laboratories, Suwanee, USA and Rayabhupalapatnam in East Godavari gave a presentation on "Development of biomarkers and entrepreneurship". The session was followed by e-Poster presentations from students and research scholars from various colleges. On 23rd Dr. Ajay Pillai, Grants Manager, Wellcome Trust/ DBT India Alliance spoke on "Research and Funding Oppurtunities in India". About 60 students participated in the workshop and 40 students presented papers. Director of the college, Dr. D. Basava Raju, Principal, Dr. Prasad and faculty participated in the workshop.

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27th July 2016

Orientation programme for fresh batch of Srinivas College of Pharmacy students was held on 27th July 2016 at Valachil Campus, Mangalore.

The Principal Dr. A.R.Shabaraya, while inaugurating programme advised the students to follow four C's they were Competence, commitment, culture and communication and called upon the students to utilize various types of facilities made available in the college, encouraged the students to face the challenges in the field of Pharmacy. He has exhorted the students to come out successfully in their lives by excelling in studies and be winners in courses opted by them. He gave a presentation of profession of Pharmacy, detailing course content with rules, regulations, outlined its future scope, introduced the faculty members and assured the parents about the safety of their wards.

Students who had taken admission accompanied by their parents attended the programme and expressed their views on the quality of the academic programmes imparted by the Srinivas college of Pharmacy.

Dr. E.V.S.Subrahmanyam, Professor, Srinivas College of Pharmacy, welcomed the gathering. Dr. Padmavathi P. Prabhu and Ms. Paramita Das anchored the programme. Mr. Viresh K Chandur, proposed vote of thanks.

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July 29, 2016

Association of Pharmacy Professionals (APP) Community and Clinical Pharmacy Division organized 3rd Indo-West Indies Conference on 'Advances in Pharmaceutical Sector and Healthcare Practices' in collaboration with APP Andhra Pradesh State Branch, on July 29, 2016 at Narasaraopeta Institute of Pharmaceutical Sciences, Narasaraopet, Guntur, Andhra Pradesh. Event was witnessed by Dr. Sameer Dhingra, International Head, APP Clinical Pharmacy Division from School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies as 'Chief Guest'; Sri Mittapalli Venkata Koteswara Rao, Chairman, Narasaraopeta Institute of Pharmaceutical Sciences as 'Patron'; Dr. J. N. Suresh Kumar, Principal, Narasaraopeta Institute of Pharmaceutical Sciences, Narasaraopeta, Andhra Pradesh as 'Convener'; Dr. Suresh V. Chennupati, President, APP Andhra Pradesh State Branch and Principal, K. C. Reddy Institute of Pharmaceutical Sciences, Guntur, Andhra Pradesh as 'Co-convener' and Dr. Rajiv Dahiya, President APP and Director, School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies, Trinidad & Tobago as 'Organizing Chairman' and Dr. Sunita Dahiya, General Secretary APP as 'Scientific Committee Chairman' in absentia.

Programme was initiated by welcome of all the guests on the dias with bouquet of flowers followed by lightening of the lamp and traditional dance. Scientific session was initiated with lecture of Dr. Sameer Dhingra from School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies, who addressed the gathering on 'Clinical Pharmacy Practice and Education in India: A Global Prospective'. He emphasized on the needs for clinical pharmacy services, current global trends, challenges and opportunities ahead in improving patient care. Dr. Dhingra was conferred with 'APP Young Investigator Award 2016, for his vital scientific contribution in the pharmacy profession.

Scientific session was continued with lecture of Dr. Desu Brahma Srinivasa Rao, Head, Department of Pharmacology, Hndu Pharmacy College, Guntur, Andhra Pradesh, on the topic 'Innovation in the Pharmaceutical Industry and Clinical Pharmacy Services for Better Health'. He discussed about clinical pharmacy services performed by pharmacists practicing in hospitals, community pharmacies, nursing homes, home-based care services and clinics.

Conference was attended and participated by more than 250 delegates from different universities and institutions all over South India, including Dr. M. V. Nagabhushanam from Hindu Pharmacy College, Guntur; Dr. Sudhakar Babu from A. M. Reddy Pharmacy College, Narasaraopeta. During the valedictory function, Sri Mittapalli Venkata Koteswara Rao, Chairman, Narasaraopeta Institute of Pharmaceutical Sciences and Dr. J. N. Suresh Kumar, Principal, Narasaraopeta Institute of Pharmaceutical Sciences, Andhra Pradesh were conferred with 'APP Appreciation Awards'. At the end, Ms. Kolapalli Sai Venkata Nikitha, Pharm D. Student and Ms. Kalluri Alekhya, B. Pharmacy student of Narasaraopeta Institute of Pharmaceutical Sciences, Narasaraopeta were conferred with 'Best Student Awards' by Dr. Sameer Dhingra, International Head, APP Clinical Pharmacy Division.

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29th July, 2016

Guru Nanak Institutions Technical Campus-School of Pharmacy, Hyderabad has organized the DST sponsored two day, the 1st International Conference on Innovations in Pharmaceutical Sciences at GNITC campus, in the capital city of Hyderabad, which is a hub of Pharma industry catering to domestic & International Market, which was inaugurated by Dr.Gopi Krisha Dy. Medical Superintendent CARE Hospitals Hyderabad on 29th July 2016. This mega event is partially funded by Science and Engineering Research Board, Department of Science & Technology, Government of India. The conference was organized in association with IPA, SARC & IRPJ. The event was attended by many luminaries like Dr. T. V. Narayana, Vice President Indian, Pharmaceutical Association, Dr. N.Udupa, Professor & Research Director, Manipal college of Pharmaceutical sciences, Dr. Pawan Sunki Reddy, Department of Clinical Pharmacy, Deakin University, Australia , Dr. M. Sunitha Reddy, Head, Centre for Pharmaceutical Sciences, IST, JNTUH, Dr. A. Raghurama Rao, University college of Pharmaceutical sciences, Kakatiya University, Warangal, Dr. S.Sriram, Professor & HOD of Pharmacy Practice Sri Ram Krishna Institute of Paramedical Sciences, Coimbatore, Prof. A.N.Nagappa, Research Director, SCS college of Pharmacy Karnataka, Dr.N. Lakshmi Bhavani Osmania

University, Prof. V. Prabhakar Reddy, Principal & Professor, Center for Pharmaceutical Sciences, Palamuru University.

Addressing the International conference, the president and the Patron Conference & Vice- Chairman, Guru Nanak Institutions Sardar G. S. Kohli has underscored the importance of organizing the international conference in the field of Pharmacy and complimented School of Pharmacy GNITC for successfully organizing the mega event. The Patron & Chairman Sardar T. S. Kohli, the Conference Chair Dr. H. S. Saini, President PCI Prof. B.Suresh, DCGI Dr. G.N. Singh, Pharmaexcil AED, R. Uday Bhaskar, IICT Director have conveyed their best wishes. The Co-Chair & Director, GNITC Dr. B. Veeranna highly appreciated the conference. Prf. R.K.Singh, Co-Chair &AD-2 has coordinated the entire event with the support of Dr. Rishi Sayal, Co-Chair. The conference report was presented by Dr .P. Suresh, the Co-chair, School of Pharmacy GNITC. In his conference report, the co-chair and the Principal and Associate Director School of Pharmacy GNITC Dr.P.Suresh stated that more than 700 delegates from around 50 Institutions from various parts of the country & abroad have participated in the conference.

The scientific committee under the leadership of Dr. Sajal Kumar Jha and his team has made elaborate arrangements for a fruitful scientific session. Around 350 abstracts are received for poster presentation apart from oral presentations and full length papers covering the areas like Pharmaceutics, Pharmaceutical Technology Bio Pharmaceutics, Pharmaceutical chemistry, Pharmacy practice etc. The Convener of Conference, Prof. M. Venkat Ramana Reddy, profusely thanked each member of the team, and all those including the organizations like DST, IPA, SARC, IRPJ and all those who have supported us in their own way in our endeavor to make this 1st International Conference a grand success.

A preconference tutorial was also organized at School of Pharmacy where in Dr. Inderbir singh from Chitkara University, Patilla, Punjab delivered sessions on NDDS & Biopharmaceutics.

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30th July 2016

International seminar on "Innovations in Pharmaceutical Research 2016 and Oral Presentations" and 4th Indo-West Indies conference organized by G. Pulla Reddy College of Pharmacy, Mehdipatnam, Hyderabad in association with Association of Pharmacy Professionals Telangana state branch on July 30th 2016.

The program was inaugurated by the chief guest Prof. R Shyam Sunder, Dean, Faculty of Pharmacy& Professor, chemical engineering, University College of Technology, Osmania University, Hyderabad and speakers of the seminar Dr. K. Raghupathi, Founder & CEO, Delsync pharma

Consulting,Hyderabad Dr. Sameer Dhingra, Assistant Professor in Pharmacy school, The University of the West Indies, St.Augustine and Dr.Aravind Kumar Rengan, Assistant Professor, IIT Hyderabad, presided by Dr. B. Madhava Reddy, Principal of the college.

Dr. B. Madhava Reddy welcomed the gathering and briefed the delegates about the theme and objectives of the seminar and highlighted the importance of Oral presentations.

Prof. R Shyam sunder enlightened about the relation between the pharmacy subjects and their application in the Industry and also explained about how to develop skills in pharmacy. Scientific Abstract Book of oral presentations was released by the chief guest in presence of other dignitaries on the dais.

In the first session Dr.K.Raghupathi delivered a lecture on "Product Life cycle Management" and highlighted various aspects of drug delivery Systems and product life cycle management of formulations, and development of challenging modified release generic products with innovative concepts.

In the second session Dr.Aravind Kumar Rengan delivered a talk on "Nano medicine in cancer" and explained about how the techniques of nanomedicine is helpful in the treatment of cancer, preparation methods of nanomedicine and its applications. Latter Dr.Sameer Dhingra delivered a talk on " Clinical pharmacy Education and practice in India: Current challenges and opportunities ahead Regulatory " and highlighted a very interesting information about importance of promoting medication safety and rational use of medicines and also explained how the medical and pharmacy practice organizations to improve the current clinical pharmacy practices in developing countries like India. Participants had good interaction with speakers and clarified their doubts. About 350 delegates registered for the seminar and 92 papers were presented in various Scientific Sessions.

In the afternoon session, students from various colleges presented scientific Oral presentations in various aspects of Pharmaceutical research and development. The presentations were evaluated by the senior faculty members and 12 Best Oral presentations were selected. In the valedictory programme all the volunteers were presented appreciation

certificate and special complements by the respective committee members and mementos were presented to the evaluators of the oral presentations. The selected students of best oral presentation awards were presented Merit certificates and Mementos by principal and Professors of various departments of the college and the programme was concluded by Vote of thanks.

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30th July, 2016

Association of Pharmacy Professionals (APP) Telangana State Branch organized 4th Indo-West Indies Conference on 'Innovations in Pharmaceutical Research' on 30th July, 2016 at G. Pulla Reddy College of Pharmacy, Mehdipatnam, Hyderabad, in collaboration with APP Community and Clinical Pharmacy Division. Event was witnessed by Dr. Sameer Dhingra, International Head, APP Clinical Pharmacy Division from School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies as 'Guest from International Community'; Sri P. Subba Reddy, Chairman & Secretary, G. Pulla Reddy College of Pharmacy, Mehdipatnam, Hyderabad as 'Chief Patron'; Dr. B. Madhav Reddy, Principal & Professor, G. Pulla Reddy College of Pharmacy, Mehdipatnam, Hyderabad as 'Convener'; Dr. A. Muralidhar Rao, President, APP Telangana State Branch as 'Co-convener'; Dr. R. Shyam Sunder, Dean, Faculty of Pharmacy, Osmania University, Hyderabad 'Chief Guest' and Dr. Suresh V. Chennupati, President, APP Andhra Pradesh State Branch and Principal & Professor, K.C. Reddy Institute of Pharmaceutical Sciences, Guntur, Andhra Pradesh as 'Guest of Honor'; Dr. Rajiv Dahiya, President APP and Director, School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies, Trinidad & Tobago, as 'Organizing Chairman' and Dr. Sunita Dahiya, General Secretary APP as 'Scientific Committee Chairman'.

Scientific session was initiated with lecture of Dr. K. Raghupathi, Founder & CEO, Delsync Pharma Consulting, Hyderabad on the topic of 'Trends in Life Cycle Management: Oppurtunities and Challenges with Multiparticulate System'. Scientific session was continued with talk of Dr. Aravind Kumar Rengan, Assistant Professor, IIT, Hyderabad on the topic of 'Nanomedicine: A Brave New World in Cancer Theranostics'. Scientific session was terminated with lecture of Dr. Sameer Dhingra from School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies, who addressed the gathering on "Clinical Pharmacy Education and Practice in India: Current Challenges and Opportunities Ahead".

Conference was attended and papers were presented in 'oral' session by more than 350 delegates from different institutions all over south and north India. During the valedictory function, Dr. Jithan Aukunuru, Associate Director, Aizant Drug Research Solutions, Hyderabad was nominated as 'Vice President' of APP Telangana State Branch 2016 and Dr. B. Madhav Reddy, Principal & Professor, G. Pulla Reddy College of Pharmacy, Mehdipatnam, Hyderabad was conferred with 'APP Appreciation Award 2016'.

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Two Days Workshop was conducted at J.K.K. Nattraja College of Pharmacy Kumarapalayam on the "Dimensions of Pharmaceutical Care Skills". The seminar was sponsored by The Tamilnadu Dr. M.G.R. Medical University, Chennai.

The Inaugural session of the seminar commenced with the welcoming of the guests and speakers on the dias. In the inaugural session, Dr. R. Sambathkumar, Principal, J.K.K.Nattraja College of Pharmacy, welcomed the resource persons and delegates and explained the theme of workshop. Dr. V. Rajesh, Assistant Professor - Senior Scale, Department of Pharmacy Practic Manipal College of pharmaceutical sciences, Manipal, Karnataka, presented lecture about "Essential Skills for Practice: Clinical Pharmacists Perspective" and "Patient Information Leaflet: Guidelines & Applications".

Dr. M. Sonal Sekhar, Assistant Professor, Department of Pharmacy Practice, Manipal College of pharmaceutical sciences, Manipal, Karnataka, presented a lecture on "Information Retrieval and Evidence Based Pharmacy Practice" and Medication Review: Concepts and Applications and "Applications and Pharmacovigilance – Concepts and techniques".

Dr. S. Sriram, Professor & Head, Department of Pharmacy Practice, Sri Ramakrishna Institute of Paramedical Science, College of Pharmacy, Coimbatore, presented a lecture on Professionalism in Pharmaceutical Care.

The students got very important information regarding preparation of patient information leaflet and SOAP note. And also got information regarding medication error monitoring and pharmacovigilance program. This seminar will motivated the students to focus more on patient care. The feedback of the participants confirmed that the seminar was very much appreciated. The seminar was structured in a way that helped participants to know the role of pharmacists. Dr.N.Venkateswaramurthy, Professor & HOD, Department of Pharmacy Practice, proposed the vote of thanks.

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4th August, 2016

Class-work inauguration ceremony for B.Pharm, Pharm.D and M.Pharm was held at Shri Vishnu College of Pharmacy on 04-08-2016.

Professor Dr. K.P.R Chowdary, Director of Vikas Inst. of Pharmaceutical Sciences, Rajahmundry, was the chief guest of the programme. In his speech he told that pharmacy field is based on research and students should work hard to reach greater heights in their career. In this occasion, he commended that Shri Vishnu College of Pharmacy is recognized as one of the best pharmacy institutions in the country by several state and central government bodies and is equipped with state of the art laboratories, class rooms, and library facilities.

Shri Vishnu Pharmacy Institutions Director, Dr. D. Basava Raju, in his address to the students advised them to increase their skills and knowledge to grab opportunities in the highly competitive world.

Vice Chairman of Shri Vishnu Educational Society, Sri Ravi Chandran Rajagopal, in his opening remarks commended that Shri Vishnu College of Pharmacy is one of the premier institutes in India.

Shri Vishnu College of Pharmacy, Principal, Dr. K. Prasad congratulated and conveyed his best wishes to the students and parents. Director of Administration, Sri Prasad Raju graced the program.

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6th August 2016

H. K. College of Pharmacy (HKCP) had launched an innovative concept of Mentor-Mentee, 'Involve to Evolve' in the year 2015. The

concept is to provide continuous practical guidance to current HKCP students (Mentees), by experienced alumni from various pharma sectors who would act as Mentors. It is the platform created for the current students to know, talk and discuss with the alumni. The 2nd Mentor-mentee meet was organized on 6th August 2016 in the HK campus. The occasion was graced by alumni from different batches of HKCP.

The programme was welcomed by HKCP's student council. Speaking on the occasion, the Principal, Dr. Anubha Khale, presented the achievements of HKCP to alumni. She also mentioned that it's a great pride for HKCP that its Alumni are holding positions of responsibility in different sectors of pharma industry and business such as sales, marketing, insurance, drug safety, pharmacovigilance, disaster management, MBA, retail pharmacy and entrepreneurship. Many of them are successful entrepreneurs providing jobs to others as well. She praised their contribution towards the growth of their Alma Mater and emphasized the need for further strengthening the linkage between the Alumni-HKCP- current students.

Alumni enlightened students about diverse options available to pharmacy students after graduation and the wide scope for pharma graduates in various fields. They also advised students not to get disheartened by initial struggle in career but instead focus on long term results which are very promising.

Mentees asked many doubts to mentors such as difference between Pharmcovigilance and Clinical trials, Problems/ difficulties faced in marketing job, Difference between Sales and Marketing, whether work experience first or further studies, etc. All mentors answered the questions to mentee's satisfaction. Mentors also mentioned that it's a general tendency of the students to neglect the instruction from teachers which are given time to time and therefore many of the mentees shared their college experience to make mentees understand the importance of timely studies and participation in college activities which are mainly organized for the overall personality development of the students.

In brief, the very friendly mentor mentee discussion helped the mentees to enter into a network of mentors and to extract knowledge of the real world from their experiences.

During teachers- alumni interaction, many alumni mentioned positively about the progress of HKCP they heard from the mouth of others. They praised the college for its developed infrastructure, activities like placement, counselling, college website and research atmosphere of college. Even teachers were amazed and surprised by meeting their alumni with such a transformed and confident personalities. Alumni requested Principal, Dr. Anubha Khale, for more of such activities, where all alumni would like to keep contributing in future too.

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7th August 2016

SSPC Interactive Meeting cum Reunion

Shri Sarvajanik Pharmacy College Alumni & Research Society (SPARS) along with AICTE sponsored Industry Institute Partnership Cell at the college organized Interactive Meeting cum Reunion of all alumni members of the college in the morning hours at B. V. Patel Pharmaceutical and Education & Research Development (PERD) Centre, Ahmedabad on 7th August 2016. Dr. C. N. Patel, Principal gave welcome address and took a kaleidoscopic view of the college activities since its establishment in 1998. Dr. J. B. Dave, Director of PG department explained that SPARS would act as a bridge between alumni and Alma matter and serve as professional entity. He presented the Memorandum and salient features of the constitution aimed at development of SSPC in particular and pharmacy profession in general which were unanimously approved by all members present. Executive committee was elected for 2016-2018 term. Dr. Premnath Shenoy, a leading Quality Professional apprised the students about present state of Research and Manufacturing in the country and enormous scope prevalent for pharmacists in the industry. Dr. Saurabh Pandya, Ex-Principal, several faculty and alumni expressed their inherent love for the institute and gave suggestions about networking and activities. About 200 members attended the program that was concluded by dance performance by Mr Dharmik Rami.

Dr. D.J . Sen, Dr. Harsha U. Patel, Dr. Shailesh Prajapati, Dr. Pankaj Prajapati and Mr. Jashpal Chaudhary were among the key organizers. Dr. Harsha Patel delivered the vote of thanks.

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IIPC-SSPC & IDMA co-organized seminar on QMS

Industry Institute Partnership Cell (IIPC) at Shri Sarvajanik Pharmacy College jointly with IDMA- Gujarat State Board organized a state level seminar on Quality Management Systems in the afternoon hrs of 7th August 2016 at PERD center, Ahmedabad. Dr. Shrenik Shah, Hon. Secretary of IDMA GSB delivered welcome address. Dr. J. B. Dave, Chief coordinator of IIPC at SSPC conveyed the importance of the subject in view of growing non compliance on QMS related aspects during regulatory audits and initiatives taken by industry and regulatory to remedy the same. Dr. Premnath Shenoy, leading Quality Professional dwelt on overview of QMS and its proposed inclusion in Schedule M to Drug & Cosmetics Rules. Sri Sanjaykumar Jain, Vice President Quality, Amneal Pharmaceuticals talked at length about investigation procedure in event of a deviation or complaint using different investigation tools. He highlighted the difference between correction, Corrective and Preventive action. Sri S. G. Belapure, M.D., Zydus Hospital Pvt. Ltd., gave a detailed account of Data Integrity issues faced by industry during regulatory and means to remedy the predicament. The three lectures were followed by a lively interaction program. About 150 members from industry, academia and FDCA participated. Ms. Varsha Chaudhary and Sri Ravi Thakar served as coordinators. Dr. S. T. Prajapati delivered vote of thanks.

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12th-13th August, 2016

A two day Department of Biotechnology (DBT), Indian Council of Medical Research (ICMR), and Association of Pharmaceutical Teachers of India (APTI) Sponsored National Conference on

Contemporary Technologies in Drug Delivery and Envisaged Future Trends was recently organized by Geetanjali Institute of Pharmacy, Geetanjali University, Udaipur on 12th-13th August, 2016. Around 500 delegates comprising of 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 nine parts. On first day the first part included the inaugural session, four scientific sessions, followed by the session consisted of poster presentations. Second day consist of three 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 10.00 AM at Lt. Smt. Narmada Devi Agarwal Auditorium with the invocation song and lighting of lamp by the dignitaries. Following the lighting of lamp, a series of short speeches were delivered by the dignitaries. 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. The souvenir was released by our distinguished guests.

While giving his presidential remarks, Dr. R. K. Nahar (Vice Chancellor, Geetanjali University) congratulated the organizers and thanked Dr. Burande for his comments regarding pharmacy education in Geetanjali University. He enlightened the gathering and talked about how fast things are changing in the area of pharmaceutical sciences and how necessity is mother of inventions. Pharma played an important role in development of new drug, control & treatment of disease. Development is key part, he added. He talked about the new inventions, their limitations and how research and developments are shaping our future.

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 Nano technology is very useful targeted drug delivery system. He shows his belief that this conference will lift the future of students and ensured his presence and help whenever required to students.

Dr. M. D. Burande (President-Central, APTI) was the Guest of Honour of this function and he briefed about the future developments of Pharmacy profession and informed about enhanced role of pharmacist in health care. He encouraged students by talking about contribution of pharmacist to society, job opportunities, and industrial linkage. He added that start is always difficult, but this profession will fulfill your all dreams.

Dr. Kishor Pujari (CEO, Geetanjali Medical College and Hospital) talked about the drugs, pharma market, and position of India in global market. He educated the audience about how India is providing drugs on economical rate to the rest of the world and holding 3rd position in exporting of medicines in global market. Vote of thanks for the inaugural function was presented by Dr. Kalpesh Gaur (Organizing Secretary). He expressed his thanks to all the guests for accepting the invitations, sponsors for support and encouragement.

The event is followed by key note address by Dr. M. D. Burande on "Attitude to Altitude in Pharmacy Profession". He talked about the three active ingredients important for the success in pharmacy i.e. knowledge, skill & attitude. He also discussed about how research and development is important in pharmaceutical field journey and enlightened the role and responsibilities of community pharmacist. He talked about India's place in pharma market and the need of new idea in development and manufacturing of new drug. Understanding brands and their contribution is important for pharmacists. He focused on quality and safe use of drugs on economical rate. He also enlighten H'ble PMs "skill always will" project. He concluded that drug development will be future & also showed some visuals about how drug is developed from molecule to medicine. He added that Positive attitude is important for success; bad attitude is the only disability of mankind.

And continued scientific session by Prof. Jayant J. Khandare (Professor, MAEER's Maharashtra Institute of Pharmacy, Pune) on "Challenges in Designing Innovative Nano/Micro Components for Biological Implications". He talked about the anticancer drug polymers used in targeted drug delivery system and how polymer chemists are working in the discovery of polymer. For delivery of drug in cancer tumours, to decrease the toxicity and to reduce the disposition of tumour cell we need more discoveries in polymers he concluded. This session was followed by a talk by Prof. Kamla Pathak (Professor and Head, Dept. of Pharmaceutics, Pharmacy College, Uttar Pradesh University of Medical Sciences, Saifai, Etawah) on "Issues in Development of Targeted Nanoparticles Therapeutics". The scientific content of her presentation clearly demonstrated about the challenge towards finding a drug molecule without side effects. Mechanism of action of a drug is the key of

inventions, we are dependent on physico-chemical property of drug, she continued. Drawing her long teaching experience, Professor Pathak made understanding about how targeting solve the problem of overall bio-distribution and how to make a complex design simple. She showed us how engineering approach in the field of nanoparticles will make it simple and acceptable to the industries. Reformulating old drugs with nanotechnology can improve the safety concerned about the engineered nano structure carrier, she added.

The post lunch session started by Dr. Farhan Jalees Ahmad (Associate Professor & Head, Faculty of Pharmacy, Jamia Hamdard University, Hamdard Nagar, New Delhi) on "Ophthalmic Drug Targeting Using Nanotechnology Approaches". His innovative talk included nanoparticles can be used to find, fight, and follow for early diagnosis, therapy, and therapy control. He continued that nanoscale provide us high ratio surface area to volume and enhance solubility, prevent the drug from biodegradation. He explained about the disadvantages of ophthalmic products available in markets as they can wash out and leads to increase in number of dose. He targeted his talk to design a dosage form which delivers the drug through barriers and concluded that long resident, and this can be achieved by designing nano and micro particle drug delivery system.

The scientific session was followed by poster presentation session 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. Rakesh P. Patel (Associate Dean - Research, Professor and Head of Pharmaceutics & Pharmaceutical Technology Department, Shree S. K. Patel College of Pharmaceutical Education & Research, Ganpat University, Mehsana, Gujarat) on "Cyclodextrin Inclusion Complexes: Methods of Preparation, Characterizations and Its Application In Drug Delivery" in which he described about the basic fundamentals of cyclodextrin, hydrophilic and hydrophobic cylcodextrins, modified cyclodextrins available in markets, cyclodextrin complexation, methods of complexation, characterization of inclusion complex and its application in drug delivery. He concluded that cyclodextrin will be very economical drug as its production procedures are developing very fast.

Following the first session two more sessions taken by dignitaries Prof. Ambikanandan Misra (Professor, Faculty of Pharmacy, The Maharaja Sayajirao University of Baroda, Vadodara) on "Role of Nanotechnology in Delivery of Protein and Peptides with a Case Study on Insulin". He explained about the proteins and peptides & their functions. He also described about the difficulties in the delivery of these molecules and also that proteins have most dynamic and diverse role of macromolecules in the body and why they are going to be future therapeutics. He also touched Insulin, what it do, diabetes, market available for insulin & recent advancements of insulin preparation.

The last scientific session was on "Lipid Based Colloidal Nano-Carriers as an Upcoming Drug Delivery Platform" by Dr. Rahul Tripathi, (Scientist-B, Department of Pharmaceutics, B.V. Patel Pharmaceutical Education and Research Development Centre (PERD Centre), Ahmedabad). He spoke about the various classes of nano carriers & highlighted about the Nanocrystals. He described medicated chewing gum as nanoparticle drug delivery. He listed about various advantages of nanocrystals such as high volume surface ratio, maximum drug loading increasing saturation and solubility and also educated the gathering about the bottam up & top dawn techniques for the preparation of nano crystals. He also talked about nano crystals loaded buccal patches for transdermal drug delivery. He concluded that nano technology is best technology for targeted drug delivery system.

The conference concluded with the valedictory program wherein the best presenters were awarded followed by valedictory speech and vote of thanks. 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 upon the advances in pharmaceutical sciences, breakthrough technologies, evolving regulations and investment strategies in drug delivery for future healthcare.

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16th August, 2016

Sinhgad Technical Education Society's Smt. Kashibai Navale College of Pharmacy (SKNCOP), Kondhwa, Pune organized Induction Programme for newly admitted First Year B. Pharm. on Aug 16, 2016.

Dr. Sanjay. D. Sawant, Principal, SKNCOP delivered the welcome address. He emphasized about the discipline, rules and regulations and conduct of the students in the institute.

All students were provided with Induction Kit. More than 100 newly admitted first year students participated for the programme.

Dr. Mahesh Burande, President APTI and Principal, Siddhant College of Pharmacy, Pune guided students as the Chief Guest of the function, in his motivational talk he explained the importance of the profession and addressed the students for their successful career path ahead with a focus on pharmacy education and overall development in studies. He also felicitated the student rankers of the past first, second , third and fourth year of B.Pharm course. Second half started with informative talk by Dr. Moreshwar Mahajan, Assoc. Professor, SKNCOP on Course Structure and Examination Pattern Scope of B.Pharm course. Ms. Manjusha Dole, Asst. Prof. SKNCOP guided the students on various Study methodology techniques. The seminar concluded with informative presentation of Mrs. Mukta Abhyankar on various activities of the year along with the staff coordinators for the same. Mrs Minal Ghante compared the programme.

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20th August, 2016

Shri Vishnu College of Pharmacy, Vishnupur, Bhimavaram, has organized a one day seminar on "skill Development in Pharmacy" by Shri Vegesna Krishnam Raju, M.D, Versa Pharma (USA) on 20-08-2016. In his opening remarks, Shri Krishnam Raju highlighted the importance of practical skills in Pharmacy field and has shared his expertise in the field of pharmaceuticals with the students of B.Pharm, Pharm.D and M.Pharm.

Shri Vishnu Pharmacy Institutions Director, Dr. D. Basavaraju, presided over the function. Shri Vishnu Pharmacy College Principal Dr. K. Prasad and Director of Administration, Sri Prasad Raju graced the programme.

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25th- 27th August 2016

Three Days Entrepreneurship Awareness Camp (EAC) sponsored by DST-NIMAT was organized by KCT's R.G.Sapkal College of Pharmacy, Anjaneri, Nashik on 25th- 27th August 2016 with aims at creating awareness among students about various facets of entrepreneurship while highlighting the merits of pursuing such a career option.

EAC was sponsored by Department of Science & Technology - National

Implementing and Monitoring Agency for Training Under the Aegis of National Science and Technology Entrepreneurship Development Board Department of Science & Technology, Government of India, New Delhi, Implemented by Entrepreneurship Development Institute of India, Ahmedabad DST-NIMAT, Government of India, New Delhi.

Inaugural Ceremony of EAC was conducted on 25th January at 10.30 am in presence of Chief guest Dr. Rajiv Papleja VC,ESDS Software solution Pvt.Ltd.,Nashik, Hon. Ravindra G. Sapkal CMD, Sapkal Knowledge Hub, Dr. V. J. Gond, Principal, Late G.N. Sapkal College of Engineering, Dr. Suhas Dhande, Director, K. R. Sapkal College of Management Studies, Prof. Dr. R. B. Saudagar, Principal, KCT's R.G.Sapkal College of Pharmacy, Nashik.

Followed by inaugural session, Prof. Dr. R. B. Saudagar delivered welcome speech.

Entrepreneurship Awareness Camp begins with first session by Dr. Rajiv Papleja .He guided the participants how Entreneurship as a career for technocrats, their historical background and Indian Values vis- a- vis Entrepreneur ship with present Scenario .

Second Session delivered by Industrialist Mr.Ratnakar Wani. He insists the participants to keep always positive attitude in their life and do the work with well planning.

First day of Entrepreneurship Awareness Camp was concluded with session by Mrs. Neha Khare,Director, Mirror Skin & Hair care Pvt. Ltd.Nashik. She explained how Creativity and behavior is important to become a good Businessman.

On second day of Entrepreneurship Awareness Camp Mrs.Urja Patil, Motivational Trainer and Psychological Counselor, communicated with the participants regarding skills and personality development to become successful entrepreneur.

Mr. Dilip Rasal discuss entrepreneur success stories with common problem faced by entrepreneurs.

Mr. H.N.Desai guided the participants regarding how to start a SSI unit, general concept about the govt. formalities, rules and regulation,

Location and different aspect of an industrial venture and Govt.Schemes for establishment of SSI.

On third day, Industrial visit was organized to Anish Pharma Ltd.Ambad and Vatsal Ayurvedic Products Pvt. Ltd, Ozar, Nashik.

Valedictory function was conducted in the presence of Chief guest Mr. P.N.Katkade, Asst. Commissioner FDA, Ahmednagar and Hon. Ravindra G. Sapkal CMD, Sapkal Knowledge Hub, during the function certificates for the participants were distributed.

Prof D.M.Shinkar, EAC Coordinator proposed Valedictory note and prof. S. B. Gondkar proposed vote of thanks. The programme was concluded with National Anthem.

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26th - 27th August 2016

Two days National Level Seminar was conducted at Rajarambapu College of Pharmacy, Kasegaon Dist Sangli on "Pharmacovigilance and Herbal Therapeutics" on 26th and 27th August 2016. The seminar was sponsored by Indian Council of Medical Research, New Delhi and was partially sponsored by Association of Pharmaceutical Teachers of India. The Inaugural session of the seminar commenced with the welcoming of the guests and speakers on the dais. The program was inaugurated at the auspicious hands of Chief Guest Prof. Dr. Rajendra Kurlapkar, Dy. Secretary, Kasegaon Education Society and Principal, Kusumtai Kanya Mahavidyalaya, Islampur. The session was presided over by Prof. Dr. A. V. Yadav, Principal, Gourishankar college of Pharmacy, Satara, other dignitaries present over dais were Prof. Dr. C. S. Magdum, Principal and Prof. Dr. S. K. Mohite Vice Principal of the host college and Prof. Dr. V. R. Salunkhe, Co-coordinator. The inaugural function was attended by several faculty members and students from various Pharmacy Colleges from Maharashtra, Karnataka, etc. In the inaugural session, Dr. Rajendra Kurlapkar congratulated the college for organizing the seminar. Principal Prof. Dr. C. S. Magdum welcomed the resource persons and delegates and appealed to attend all the sessions wholeheartedly. In presidential address, Prof. Dr. A. V. Yadav emphasized responsibilities of Pharmacists towards public health. Various resource persons from Industry and Academia including Dr. Deepak Langade (Director, Clinsearch Healthcare, Mumbai (MS), Dr. Sharad Pawar (Research officer, Scientist, Aayush, Pune), Dr. Vaibhav Shinde (Asso. Professor Poona College of Pharmacy, Pune), Dr. Satish B. Bhise (Principal, Chhabda college of Pharmacy, Satara), Dr. Ravi Gaware (Clinical Operations Manager, Boehringer Ingelheim India Pvt. Ltd., Mumbai) and Dr. Shaijesh Wankhede delivered their talks on various topics. The speakers presented the audience with different practical experiences, insights, and views, both at an organisational and national level. It provided an excellent platform in understanding of the many perspectives in the field of Pharmacovigilance. There were six plenary sessions exclusively devoted to Pharmacovigilance and Herbal Therapeutics. Product exhibition was organized. The feedback of the participants confirmed that the seminar was very much appreciated. 808 delegates were registered for the seminar. The seminar was structured in a way that helped participants to know the details of Pharmacovigilance and Herbal Therapeutics. Poster and models presentation competitions were conducted and prizes were distributed to the winners. Mr. D S Gumate proposed the vote of thanks.

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29th August, 2016

The Department of Pharmaceutical Chemistry, College of Pharmacy, Mother Theresa Post Graduate and Research Institute of Health Sciences, (A Govt. of Puducherry Institution) Puducherry, organized an ICMR sponsored National conference on Emerging Trends in Target Based Drug Discovery (ETBDD-2016) on 29th August at MTPG& RIHS, Indira Nagar, Gorimedu, Puducherry-06.

This conference was partially funded by the Department of Science, Technology and Environment, Puducherry council for Science and Technology, Government of Puducherry, Anna Nagar, Puducherry.

This programme was accredited by The Tamil Nadu DR.M.G.R Medical University, Guindy, Chennai, with 5 credit points.

Prof. DR. K.Girija, Organizing Secretary, ETBDD-2016 welcomed the august gathering. The chief guest DR. Subash Chandra Parija, Director, JIPMER, Govt. of India, inaugurated the conference by lighting the lamp, released the conference scientific proceedings and he delivered

his chief guest address. DR.K.V.Raman, Director, Health and Family Welfare services, Govt. of Puducherry, presided over the function. Dr. H.Ranganath, Managing Director, St. Joseph of Cluny Hospital, Puducherry and Dr. R.Murali, Dean, MTPG & RIHS, felicitated the function. Mrs. K.Hemalatha, Assistant Professor, delivered vote of thanks.

The eminent speakers from the field of research in Drug Discovery working in highly reputed Universities, Central Government Research Organizations were invited as Resource persons for the conference. The Resource persons are DR.H.Surya Prakash Rao, Professor, Pondicherry University, DR. S. Thennarasu, Principal Scientist, CLRI-CSIR, DR. Nisha Mathew, Scientist/Deputy Director, VCRC-ICMR, DR. N. Ayyadurai, Senior Scientist, CLRI-CSIR, DR.S.Riasudeen, Professor, Pondicherry University.

Around 540 delegates of various disciplines from different parts of the country belonging to Pharmacy colleges, Medical college, other Paramedical courses, Pharma Industry, Arts and Science college, Engineering college, Pondicherry University, PG Research Centre, National Institute of Siddha, Government Siddha College and from Government Research Organizations. The scientific session, Oral and Poster Presentations were conducted during the conference. The delegates were presented their research papers. The Valedictory function was started at 4.00 PM. DR. S. Mahadevan, Dean (Academic), Senior Professor and Head of Department of Pediatrics, JIPMER, Govt. of India was the chief guest for the valedictory function. Mr. M.Solomon, Assistant Professor welcomed the gathering. The chief guest delivered chief guest address and also distributed the prizes and awards for the winners of scientific sessions. Dr.R.Murali, Dean, MTPG&RIHS felicitated the function. Vote of thanks was given by the Organizing Secretary of ETBDD-2016 Prof. DR.K.Girija, Head, Department of Pharmaceutical Chemistry, MTPG&RIHS, Puducherry.

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1st September, 2016

Padmabhushan Dr B.V. Raju Foundation's Shri Vishnu College of Pharmacy in association with Association of Pharmacy Professionals conducted 5th Indo-African international Conference on "Recent Trends and Future Development in Pharmaceutical Sector" on 1st September 2016.

Dr. Subas Chandra Dinda, Prof. Pharmaceutics, Mekelle university, Mekelle, Ethiopia and Dr. P K Lakshmi, Prof. and HOD, Department of Pharm.D and Pharmaceutics, G. Pula Reddy College of Pharmacy, Hyderabad and Ex- Director, Drug Information Center, Karnataka State Pharmacy Council, Bangalore were the key speakers for this event.

Dr. Subas Chandra Dinda presented a topic on "Mucoadhesive Microcapsules: Novel approach in controlled and sustained drug delivery" and Dr. P K Lakshmi has delivered a speech on "ADME of polymer therapeutics". She enlightened the students about the role of biodegradable polymers in cancer therapy.

Students from various colleges across the state attended the conference.

Association of Pharmacy Professionals, AP state branch Convener and President Dr. Suresh V Chennupati, Shri Vishnu Pharmacy Institutions Director Dr. D B Raju graced the occasion. Shri Vishnu College of Pharmacy Principal Dr. K Prasad has presided over the conference.

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2nd September 2016

Padmabhushan Dr B V Raju Foundation's Shri Vishnu College of Pharmacy in association with Association of Pharmacy Professionals (APP), conducted 2nd Indo-Gulf International Conference on "Nanotechnology: From Basic Research to Nanomedicines" on 2nd September 2016.

Dr. Bakthi Bhusan Barik, Prof. College of Pharmacy, Jazan university, Jazan, Saudi Arabia, has given a presentation on "Nanotechnology based drug delivery systems". Dr. Muralidhar, Principal, Maheswara College of Pharmacy, Hyderabad, has given a presentation on "Applications of Nanotechnology".

Dr. D. Satyanarayana, Retd. Principal and Director, Nitte Gulabi Shetty Memorial Institute of Pharmaceutical Sciences, Mangalore (Karnataka), has been felicitated with "Life Time Achievement Award" and Director of Shri Vishnu Pharmacy Institutions Dr. D. B. Raju has been presented with

"Appreciation Award" by Association of Pharmacy Professionals president, Dr Suresh V. Chennupati.

Dr. Suresh V. Chennupati, Convener and President, APP, Andhra Pradesh state Branch, Dr D.B Raju, Director, Shri Vishnu Pharmacy Institutions, graced the occasion. Dr K Prasad, Principal, Shri Vishnu College of Pharmacy, Vishnupur, Bhimavaram (West Godavari District, AP) presided over the conference.

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2th- 4th September 2016

Savitribai Phule Pune University, Pune sponsored Three Days Principals and Directors Workshop 2016-17 has been organized at KCT'S R.G.Sapkal College of Pharmacy, Sapkal Knowledge Hub,,Anjaneri, Nashik. Vice-chancellor of Savitribai Phule Pune University Dr.Vasudeo Gade was present as chief guest for the workshop. Addressing to workshop participants Dr.Gade said that Savitribai Phule Pune University has been implementing various schemes to face the changes in academic field positively. He informed under QIP, Green Energy drive and skill Development Programme have been initiated. He appealed to colleges to present the proposal before university to implement the various schemes. He further said that to face the challenges in academic field there is need to enhance the quality. Educational Institutions need to give more emphasis on research works, he said. He declared that Savitribai Phule Pune University is the most reliable university among others across the country. The university also made Memorandum of Understanding (MoU) with 100 other reputed university and included new syllabus. Dr. Gade expressed his gratitude towards Hon. Ravindra Sapkal, President of Sapkal Knowledge Hub for making available the premises for the workshop. He praised the Sapkal Knowledge Hub for its various initiatives.

Director of BCUD Dr. V. B Gaikwad in his introductory speech explained the aim behind organizing the three days workshop. He informed that workshop will include discussion on UGC, AICTE, Pharmacy Council of India policies.

Ravindra Sapkal felicitated all the dignitaries present for the workshop. Registrar of Pune University Dr. Narendra Kadu, President of Principal forum Prof. Nandkumar Nikam, Dr. Eknath Khedkar, Dr. Sudhakar Jadhavar, Prof. Raosaheb Shinde and others were present.

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16th – 17th September, 2016

KVSR Siddhartha College of Pharmaceutical Sciences (KVSRSCOPS), Vijayawada ,Andhra Pradesh, has conducted A Two-Day National Seminar on "Solid Waste Management: Issues, Challenges and Opportunities" during 16th-17th September 2016. It was sponsored by Ministry of New and Renewable Energy (MNRE), Government of India, New Delhi and Canara Bank, Vijayawada. It was inaugurated on 16th September 2016 by Prof. K.R.S. Sambasiva Rao, Rector, Acharya Nagarjuna University, Nagarjuna Nagar, and presided by Dr. Devala Rao Garikapati, Principal, KVSRSCOPS. In the two day conference, several eminent speakers have delivered talks on various techniques and methods for the solid waste management. Around 250 students from different colleges has participated and presented papers. The valedictory function was held on 17.09.2016 and the Chief Guest is Prof. S. Appala Naidu, Registrar, Dr. NTR University of Health Sciences, Andhra Pradesh, Vijayawada.

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3rd - 4thSeptember, 2016

ISF College of Pharmacy, Moga in association with IPA students' Forum organized the 8th National IPA student forum Congress on 3rd and 4thSeptember, 2016. The theme of the conference was "Skill India:Emerging Horizons for Pharma Professionals".

Jathedar Tota Singh, Cabinet Minister, Punjab State was the Presiding

Guest and Dr. B. Suresh, President, Pharmacy Council of India and Hon'ble Vice Chancellor, JSS University, Mysore was the Chief Guest. Prof. MPS Ishar, Hon'ble Vice Chancellor, Maharaja Ranjit Singh Punjab Technical University, Bathinda was the Chief Patron.

The conference was attended by more than 800 student delegates from across the country. Mr. Parveen Garg, Chairman, ISF College of Pharmacy welcoming the Guests and delegates to the conference, appraised about the need and importance of the conference. He also announced his everlasting support for bringing top scientists to the campus and providing a platform for interaction between students and scientists. Prof. Ranjit Singh, Director, ISF College of Pharmacy gave a brief glimpse of ISF College of Pharmacy and the activities undertaken by the college for improvement of the teaching learning methodologies in under graduate and post graduate courses.

Dr. B. Suresh, Chief Guest for the day, delivered the keynote address deliberated on the significance of skill in professional education. He emphasized on the necessity for turning students into professionals where skills are inbuilt. The changing priorities and focus of pharmacists to patient care was becoming more clear in indian scenario was the message delivered by him.

Speaking on the occasion, Prof. MPS Ishar deliberated on the fast changing scenario in the profession of pharmacy. He expressed his enthusiasm and support to strengthen the association between university and academic institutions making leading to robust learning techniques.

Prof. T.V. Narayana, Chairman, Education Division of IPA stressed on more and more students to be involved in the movement started by the students forum of IPA. He also informed the various initiatives and support extended by IPA in the form of prizes and jobs for winners of IPA national elocution contests. He also announced free registration for the Indian Pharmaceutical Congress held at Vishakapatnam in the month of December for 2 economically weak students if their posters are selected. Dr. Rao VSV Vadlamudi, President laid out the future plans of IPA and also welcomed all the delegates to be a part in building the future of india with new avenues for pharmacists.

The newly elected office bearers of IPA students' forum were introduced and the activities conducted by the forum were highlighted by Mr. Rahul Lad. The newly elected office bearers of APTI, Punjab state branch were also felicitated during the conference. During the conference, it was a privilege to sign the MOU of technology transfer between ISF College of Pharmacy and NRDC.

The Chief Guest also felicitated the achievers of the college, Prof. Amit Goyal, Dr. Gautam Rath for their achievement of technology transfer. Dr. Raj Kumar Narang, Vice Principal of ISF College of Pharmacy and Dr Ravinder Rawal were also felicitated for getting grant from DST, New Delhi. The Guests on the dais unveiled the Abstract CD, Souvenir and the official newsletter of the conference and college. Prof. Rajesh, Principal, ISF College of Pharmacy proposed the vote of thanks.

The Chief Guest, Dr. B. Suresh, also inaugurated newly constructed state of the art animal house of the college named after Galen. He took a brief visit around the animal house and appreciated the facility created for different experimental animals.

Prof M P S Ishar, Hon'ble Vice-Chancellor, MRSPTU, inaugurated the mini expo. He spent time with more than 20 exhibitors displaying / showcasing products ranging from books to equipment.

Prof. Shailendra Saraf, Director, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, cut the ribbon and inaugurated the poster exhibition. He took a poster walk encouraging the researchers for their hard work. The Poster competition had more than 170 posters on display.

The speakers for plenary and scientific sessions were eminent academicians and technocrats namely Prof. S.P.Vyas, Prof. V.K.Kapoor, Prof. S.K.Saraf, Dr. Sanju Nanda, Dr. S.C. Mandal, Mr. Kaushik Desai, Prof. T.V.Narayana, Dr. Umesh Sharma, Dr. M.D. Burande.

Day 1 ended with a cultural program showcasing multifaceted skills of the students from dances to songs and skits. Students had a gala time during the cultural program.

The second day witnessed the interactions between office bearers of IPA – SF with several student delegates motivating them to be a part of the ongoing activities. A stupendous response was received from the students and the President of the student forum expressed his desire to open the Punjab Branch of IPA – SF. ISF College of Pharmacy offered to extend every kind of support for creation and functioning of the state IPA – SF branch.

Prof. P. Rama Rao, Head, Dean, Central University, Bathinda, was the Chief Guest for the valedictory program. Prof. S.P.Vyas, Dr. H.S.Gour Central University, Sagar was the Guest of Honor. The winners of the poster competition were felicitated with certificates and cash prize.

The valedictory ended with the National Anthem.

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4th September 2016

Hon. Dadasaheb Dr. Suresh Patil Founder President Mahatma Gandhi Shikshan Mandal, Chopda Chaired the Programme while Hon. Taisaheb Dr. Smita Sandeep Patil Secretary, MGSM, Chopda was guest of honor along with Prof. R.N. Patil and Principal Dr. A. S. Dhakhe S.M.B.T College of Pharmacy, Dhamangaon, Nashik & Prof. Dr. R. P. Marathe Ex. Academic Council Member Sant Gadge Baba University of Amravati,

Professor Government College of Pharmacy, Aurangabad was Resource persons for the two planery sessions. Principal Dr. G. P. Vadnere was Convenor of the seminar and Dr. A. V. Patil, Dr. Bhushankumar Sathe, Dr. J.C.Hundiwale were the Coordinators of the event and Mohammed Rageeb Mohammed Usman act as a Technical Sport for Successful of Seminar.

Dr. R.P. Marathe delivered his session on the Characterization of the drugs were as Principal Dr. Dhakhe talked on Receptor –Drugs , Interactions, Designing of drugs and ended up with Pro-Drug designing .

In all 150 delegates participated for the One Day National Seminar by the Department of Pharmaceutical Chemistry. The seminar was great success and delegates were overwhelmed with the sessions by both the speakers. Dr. Bhushankumar Sathe Chaired both the scientific sessions and Prof. Dr. A.V.Patil concluded the session by giving vote of thanks.

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6th September, 2016

Students of G Pulla Reddy College of Pharmacy celebrated teacher's day on 6th September, 2016. On this occasion students felicitated the teaching faculty with great respect and gratitude. The students have remembered the great values and nobility of Dr.Sarvepalli Radhakrishnan, whose birth day is being celebrated as teacher's day throughout the country. The faculty gave their valuable message to the students on this occasion. The importance of maintaining teacher student relation in modern society was stressed by the faculty. All the staff members actively participated in various events organized by the students.

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7th September, 2016

A one day workshop on Pharmacokinetic (PK)/Pharmacodynamic (PD) Modelling using Certara™ Phoenix WinNonlin software: Concepts, Applications and Hands on Training was organized on September 7th organized by the Department of Pharmaceutics, Krupanidhi College of Pharmacy, Bangalore and co sponsored by Rajiv Gandhi University of Health Sciences, Karnataka under continuing education activity. Dr. Venkateswari Muthukrishnan, Senior Scientific Consultant, Certara™, South Asia Pacific was the resource person for the programme. The programme started with inaugural function by college Principal, Dr. Raman Dang, with lighting of the lamp. Theory session covered topics like how to design a pharmacokinetic study, non compartmental methods, plasma and urine data focussing on PK/PD link models-compartment methods, bioequivalence testing. The lecture session was followed by hands on training in which complete handling of the software on PK/PD modelling, bioequivalence testing and in vitro, in vivo correlations were focussed. The participants refined their knowledge on pharmacokinetic principles and acquainted with their skills in handling the software. The entire session was given high rating by the participants. The workshop concluded with the valedictory program wherein the certificates were distributed to the participants followed by valedictory speech and vote of thanks by the convenor, Dr.Bharani Sogali.

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11th September, 2016

Smt. Sharadchandrika Suresh Patil College of Pharmacy, Chopda, Maharashtra, India Organized Ethno Botanical Tour on 11 September 2016 at Unapdev Nature Introduction Center, Unapdev.

Prof. (Dr.) G. P. Vadnere act as Principal, Mohammed Rageeb, Mohammed Usman and Dr. S. Lodhi act as Coordinator, Mrs. S. D. Salgar, Mrs. K. D. Patil, Mrs. S. M. Mahajan act as Member of Ethno Botanical Tour. In Ethno Botanical Tour collection and Identification of maximum number of Plant species was done by Mr. Dashrad D. Patil (Staff, Unapdev Nature Introduction Center). He received Chatrapati Shivaji Maharashtra Vanashri Award from Maharashtra State.

First to Final Year Students prepared Herbarium Sheets of collected plant species and Authenticated them from Department of Pharmacognosy, Smt. S. S. Patil College of Pharmacy, Chopda. Herbariums are in College Herbarium Bank.

From the Ethno Botanical Tour Students enriched their knowledge of Medicinal Plants.

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17th September, 2016

A One day National Conference on "Contemporary Approaches for the Development of Natural Products and Envisaged Future Trends" Sponsored by Indian Council of Medical Research (ICMR) and Association of Pharmaceutical Teachers of India (APTI) was recently organized by Geetanjali Institute of Pharmacy, Geetanjali University, Udaipur on 17th September, 2016. Around 400 delegates comprising of Principals, teachers, research scholars, post graduate and graduate students from various institutes across India participated in the one day conference.

The inaugural session of the conference begun at 09:30 AM at Lt. Smt. Narmada Devi Agarwal Auditorium with the invocation song and lighting of lamp by the dignitaries that included Dr. Vimal Kumar (Professor and Head, Pharmacognosy, Institute of Pharmacy, Nirma University, S.G. Highway, Ahmedabad- 382 481, Gujarat, India); Dr. Manan Raval (Associate Professor, Department of Pharmacognosy, Ramanbhai Patel College of Pharmacy, CHARUSAT, Changa, 388421, Ta-Petlad, Dist.-Anand, Gujarat, India); Dr. S. S. Katewa (Department of Botany, University College of Science, Mohanlal Sukhadia University, Udaipur-313001, Rajasthan, India); Dr. Ashok Dashora (Dean), Dr. Kalpesh Gaur (Organizing Secretary) and dignitaries from academia, government and industry graced the occasion. Followed this, all the speakers are welcomed by a floral bouquet.

The scientific session started with lecture on "Drug Discovery from Natural- a Prototype Study on Indian Medicinal Plants" by Dr. Manan Raval. He educated the audience that how natural products are much more safe and effective and up to 80% of pharmacopoeia drugs are natural drugs. Compounds present in natural resources are same as compounds present in human body & they are more compatible. Natural products provide and synthesis many new compounds which cannot be synthesised easily. He talked about various plant compounds especially alkaloids and their action on male reproductive organs and effect of different fractions of alkaloids on Testosterone.

Later on, Dr. S. S. Katewa enlightened about the flora & fauna of Rajasthan, different tribes living here and shows us how these tribes use medicinal plants. He focused on the Kathodis or Katkaris, a tribe of catechu makers, living in southern region of Rajasthan, their customs, traditions and importance of plants and plant products in their daily life. They mainly use non codified plants. He educated audience about Abrus precatorius (Ratti), Chlorophytum borivilianum (Safed musli), Madhuca Indica (mahua) etc and their uses. He also added about the Rebari tribe an indigenous tribal caste of nomadic cattle and camel herders and shepherds and their Knowledge about Veterinary disease and their treatment.

After a high tea and breakfast, the last lecture of scientific session was delivered on "Lead Finding for Angiotensin Converting Enzyme Inhibitors from Natural Products" by Dr. Vimal Kumar. He started with the advantages of natural products and said 65-80% of population uses traditional medicines as primary health care. He talked about the Indian System of medicines & Ayurveda that our system is time tested, trusted but not structured. Ayurveda and natural products can cure disease like liver toxicity, diabetes, asthma but allopathic drugs cannot. Ayurveda and natural drug can cure the disease from root level, he added. He talked about the drug development process & about Super Critical Fluid technology, its advantages as it is a green technology and uses carbon dioxide as a solvent which is a nontoxic, inexpensive, non-flammable, and non-polluting supercritical fluid solvent for the extraction of natural products.

The conference concluded with the vote of thanks by Dr. Ashok Dashora, Convener of conference. He expressed his thanks to all speakers and guests for accepting the invitations, sponsors & his staff for support and encouragement. 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 upon the current trends to evaluate existing opportunities and future prospects to set the promotion standards for the development of Natural Products.

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Ph.D AWARDEES

Mr.D.Visagaperumal, working as an Professor and Head in the department of Pharmaceutical Chemistry, T John College of Pharmacy, Bangalore has been awarded the degree of Doctor of Philosophy (Ph.D.) in Pharmacy by "Acharya Nagarjuna University, Guntur" on 25 June 2016, for his research work entitled "Synthesis, characterization and biological activity of certain novel quinoxaline derivatives". The research work was carried out under the guidance of Prof. Dr. N. Anbalagan, Principal, Pydah College of Pharmacy, Kakinada, Andhra Pradesh. Dr. D.Visagaperumal has more than 10 years of teaching experience and has been approved as a PG Teacher by JNTU University, Kakinada and Rajiv Gandhi University of Health Sciences, Bangalore. He has guided 30 students of M.Pharm (Pharmaceutical analysis & Quality assurance and Pharmacology) for their dissertation. He has almost 35 scientific publications in various indexed, peer-reviewed national and international journals and presented several papers in National and International Conferences to his credit. He is a life member of Association of Pharmacy Teachers of India and registered member of Tamilnadu Pharmacy council.

Dr. D.Visagaperumal serves as a reviewer/advisory/ editorial board member of various journals of National and International reputations. He is heartly thankful to his Guide, well-wishers, Principal (Dr.T.E.G.Murthy) and Management of Bapatla Educational Society for their motivation, kind support and co-operation.

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Ms. Bina Gidwani, working as Assistant Professor in Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg (C.G.) has been awarded the degree of Doctor of Philosophy (Ph. D) in Pharmacy by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) on 10th August 2016 for her research work entitled "Preparation and Characterization of cyclodextrin-based nanocarriers for delivery of anticancer drugs Bendamustine and Altretamine." The research work was carried out under the guidance of Dr. Amber Vyas, Assistant Professor -University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (C.G.) She has eight years of teaching experience and presented several papers in National and International Conferences and seminars. She has almost 30 scientific publications to her credit. She is a life member of Association of Pharmacy Teachers of India. She is heartly thankful and acknowledges the Director, her supervisor, teaching faculties, well-wishers and colleagues for their motivation, kind support and cooperation.

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Dr. Anuj Mittal, from Prasad Institute of Technology, Jaunpur has been awarded the degree of Doctorate of Philosophy (Ph.D) in Pharmacy from Teerthanker Mahaveer University, Moradabad on a topic entitled "Formulation development and evaluation of sustained release micropellets for selected Non-steroidal Anti-inflammatory Drugs" under the supervision of Dr. Anup Maiti, Principal, RRS College of Pharmacy, Amethi and Dr. K. K. Jha, Principal, Teerthanker Mahaveer College of Pharmacy, in the month of August 2016. He has published more than twenty five research papers in national/international journals, covered in Scopus & EMBASE Elsevier etc. He has 07 patens published in official gazette. He has guided 24 students of M.Pharm (Pharmaceutics) for their dissertation. He has more than ten years of teaching, research and industrial experience; and presented several papers in National Conferences. He is a life member of APTI. He is editorial board member of more than five national journals.

He deeply acknowledges Dr. Anup Maiti & Dr. K. K. Jha (research guides), colleagues, friends and family members who have helped directly and indirectly.

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Dr. Rishikesh Gupta, M.Pharm, Ph.D, working as a Assistant Professor, Institute of Pharmacy, Bundelkhand University, Jhansi. He has been awarded degree of Doctor of philosophy (Ph.D) in Pharmacy on August, 2016, by Siksha 'O' Anusandhan University, Bhubaneswar, Odisha, On a topic "Formulation and Evaluation of Novel Stomach Specific Drug Delivery System (s)" under the supervision of Prof. (Dr.) S. K. Prajapati,

Professor and Head, Institute of Pharmacy, Bundelkhand University, Jhansi, UP and Mrs. (Dr.) Snigdha Pattnaik, Associate Professor, School of Pharmaceutical Sciences, Siksha 'O' Anusandhan University, Bhubaneswar, Odisha.

He has 10 years of Teaching & Research Experience and published more than 30 papers in national and International reputed journals.

He is the Executive Editor of International Journal of research and Development in pharmacy & Life Sciences (IJRDPL) and Journal of Nanomolecules (IJN). He is the Editorial Board member and Reviewer of Asian Pacific Journal of Tropic Disease (Elsevier), Asian Pacific Journal of Tropical Biomedicine (Elsevier), Latin American Journal of Pharmacy (SCI, Scopus) Journals.

He is heartly thankful to God, his supervisors, his colleagues staff members, his friends and family for their blessing and support.

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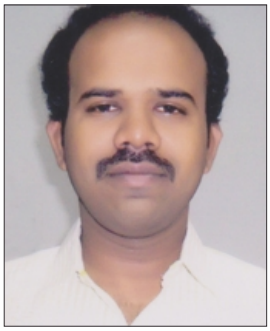

Mr. D. Sathis Kumar, working as Associate Professor at Aditya Pharmacy College, Surampalem, EG district, Andhra Pradesh, was awarded with the degree of Doctor of Philosophy (Ph.D) in Pharmaceutical Sciences by Jawaharlal Nehru Technical University, Hyderabad on 9th June, 2016. He was awarded Ph.D. for the work entitled "Role of Crude extracts of Selected Medicinal plants in Obesity" which was carried out under the guidance of Dr. David Banji, Principal and Professor, Nalanda College of Pharmacy, Nalgonda, Andhra Pradesh. D. Sathis Kumar has more than 10 years of teaching experience and presented several research papers in national and international conferences. He is having several international and national publications in reputed and indexed journals and has one research book published by LAP Lambert Academic Publishing, Germany in 2014. He is nominated as a member in "Who's Who in the world" 2013 (30th Pearl anniversary edition) - VIP number 36518898 and his biography is included in every edition then on. His name was included in "The Cambridge Certificate" for Outstanding Professional Achievement in 2015, "Top 100 Professionals" in 2014 and Two thousand outstanding intellectuals of 21st century in 2013 by International biographical centre, Cambridge, England. He is a life member of APTI and registered Pharmacist at Tamilnadu State Pharmacy Council. His research activity has been evaluated by Research gate (RG score is 23.35; h index is 5) and Google scholar (h index value is 8) till June 2016.

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ACHIEVEMENTS

Mrs G.V.N Kiranmayi, Assistant Professor , Department of Pharmacology, Aditya College of Pharmacy, Surampalem, East Godavari district, Andhra Pradesh was successfully selected and awarded as " Young Scientist Award" during the year-2016 by "aufau International Awards" Organized by Chemical Science Review and Letters ,which was recently declared in the month of June-2016 for her "Studious scientific Research Zeal and also for exploring a better momentum to Scientific Research" at Institution Level. And on her Credit, she has not only Published a good number of Scientific Research Papers in National and International Journals (Peer Reviewed) related to Pharmaceutical Sciences Discipline with Excellent Impact Factor but also authored as Co –author for the Text Book entitled "Clinical Pharmacy and Pharmacotherapeutics" , "Pharmacology : A Companion Handbook with Illustrations" and "Pharmacology: A Comprehensive Approach" with her Beloved Professor as First Author Dr. K. Ravi Shankar, Principal of the same Institution.

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KUDOS

KVSR Siddhartha College of Pharmaceutical Sciences entered in to MOU with Faculty of Pharmacy, University of Gdansk, Poland. The main aim of MOU is to co-operate toward the internationalization of higher education and research. The institutions agree to enter into negotiations on the following general forms of co-operation:

· Exchange of faculty members, students and PhD candidates for lecturing, study and research, · Joint research activities · Exchange visits by members of Faculty of the institutions, · Co-organisation and participation in conferences, seminars, lectures etc., · The Exchange of scientific, scholarly, teaching publications and information

The MOU was taken place at Gdansk, when Professor and Director for PG studies and research Dr. Buchinaidu Nalluri visited Faculty of Pharmacy, University of Gdansk, Poland recently as a part of joint International research project between KVSR Siddhartha College of pharmaceutical sciences and Faculty of Pharmacy, University of Gdansk, Poland sponsored by Department of Science & Technology (DST), Govt. of India and the Ministry of Science & Higher Education of the Government of Poland (MNISW). A total grant of Rs. 15, 34,000/- was sanctioned to KVSR Siddhartha College of pharmaceutical sciences by Department of Science & Technology (DST), Govt. of India for carrying research on newer drug delivery systems for treating different diseases to paediatric and geriatric patients.

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Dr. Jayvadan Patel, Professor of Pharmaceutics, Nootan Pharmacy College and Dean, faculty of Pharmacy, Sankalchand Patel University, Visnagar, Gujarat and President of APTI, Gujarat State has attended 2016 AAPS National Biotechnology Conference held at Boston, USA during 16th to 18th May-2016. Dr. Patel presented a research paper entitled "Micronization of itraconazole by the supercritical antisolvent technique: enhanced antifungal activity" in this conference and received fruitful comments and words of appreciation from the international research fraternity gathered for this in demand event. He has more than 20 years of academic and research experience, has published more than 225 research and review papers in international and national journals, (154 papers in Impact factor Journals) and 24 books/chapters. He has presented more than 150 research papers at various international and national conferences as author and coauthor. Dr. Patel has presented 28 research papers at various international conferences (overseas). Dr. Patel has guided 30 PhD; 83 M Pharm students for dissertation work and 08 students are currently pursuing their PhDs under his guidance. Dr. Patel is recipient of very prestigious "APTI Young Pharmacy Teacher Award-2014" by Association of Pharmaceutical Teachers of India and Fast Track Young Scientists Award by SERB (Department of Science and Technology), Government of India. He holds one patent. He has completed 10 research projects of Rs. 13 Million sponsored by AICTE/GUJCOST/DST/SERB /DBT/BRNS, India. He has organized eleven National seminars/workshops/ conferences, one staff development programme, two popular lectures on biotechnology and one refresher course organized as coordinator sponsored by AICTE/GUJCOST/DST /SERB/ DBT/GSPC, India.

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COLLECTOR'S ALBUM

Allvar Gullstrand

(5 June 1862– 28 July 1930)

He was a Swedish ophthalmologist and optician.
He was awarded Nobel Prize in Medicine or Physiology in 1911
"In recognition of his contribution on the dioptrics of the eye"

Contributed by
Dr. Kuntal Das

Professor
Krupanidhi College of Pharmacy
Bangalore

"Clinical Pharmacognosy"- A Noble Field in Continuing Recent to Future Herbal Research

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

Clinical pharmacognosy is an interesting subject that makes immense interest in the field of natural science. It is the bridge between clinical research and botanicals knowledge providing clinical and pharmaceutical researchers, physicians and other healthcare professionals with the valuable information that need to assist the progress of herbal and traditional medicines. The branch has recent demand to the Indian Pharmacy field because it has multi dimensional usage and not less than other branches in master degree. It is based on evaluation of various interaction effects. Of course, Clinical Pharmacognosists should ask the patients about the herbal drugs or other supplements they have had taken before and about the history of possible allergic reactions. They should evaluate the patient recovery process after using each kind of synthetic, herbal or traditional drugs and should focus on resolving a wide range of challenging problems in people.

Key words: Clinical pharmacognosy, interaction effect, natural science, pharmacy, research.

Introduction

It is well known to all about pharmacognosy which means studying medications of natural sources such as plant, animal, mineral and other natural medications. It has been a part of medical arts and sciences since mankind first began to treat illnesses and hence it is extremely helpful to investigate the historical aspects of this science and to recognize the pioneers of this field. Although the pharmacognosy term was used for the first time in 1811 by Schimdt (Austrian physician), the founder of the first independent pharmacognosy institute in the world was Crovatian Domac in 1896[1-3]. Gradually the herbal field created major progresses and improvements with newer drug discovery in modern pharmacognosy, worldwide. The study of medications of plant origin includes the subjects of botany, chemistry and pharmacology. Botany includes toxonomy, genetics, and cultivation of plants. Animal sources include the Zoology, chemistry of constituents and extraction of constituents. Chemical characterization includes the isolation, elucidation and quantification of constituents and natural products pharmacology. The science of pharmacognosy has been progressed to phytochemistry, plant biotechnology, medical ethnobotany, ethnopharmacology, phytotherapy, marine and zoo pharmacognosy. Fortunately traditional medicine and its remedies contribute to a major role in the current health care systems of several countries and hence Ayurvedic science is getting demand especially in Indian subcontinent[4] (Fig-1). Thereafter clinical pharmacy requires use of medications, therapeutic knowledge, counseling, clinical experience, therapeutic drug monitoring and disease diagnosis. A clinical pharmacist collaborates with physicians in multidisciplinary meetings and rounds and would advise regarding the cost-effectiveness, safety and appropriateness of medications. Clinical pharmacists should monitor patient outcomes according to the patient's situation and the probable risks associated with therapy (Fig 2). Based on the work strategies and features of these two distinctive and multidisciplinary important subjects of pharmacy, pharmacognosy and clinical pharmacy together has been introduced as "clinical pharmacognosy" (Fig-3).

Fig.1: Various strategies of Pharmacognosy

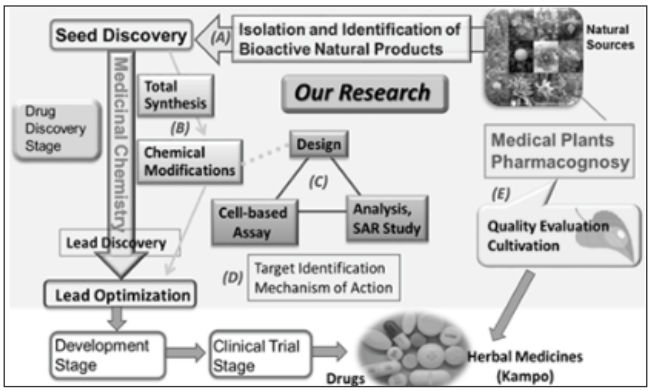


Fig. 2: Various strategies of Clinical Pharmacist

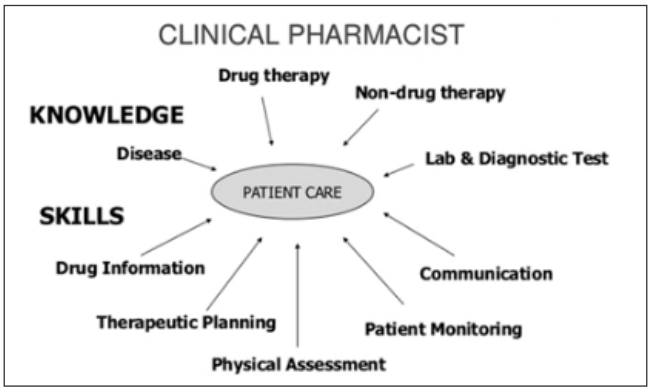
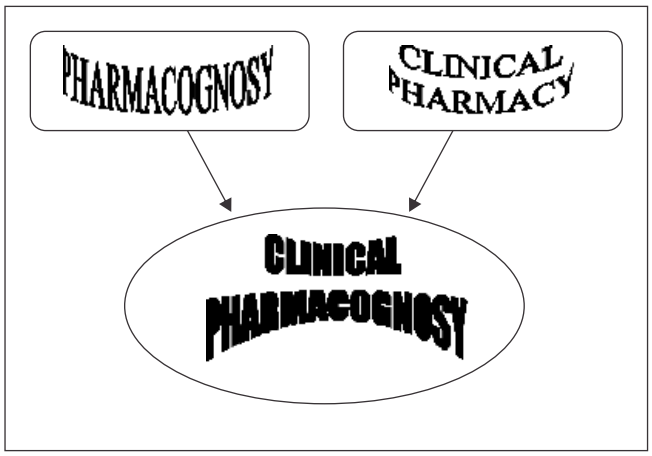


Fig. 3: Linkage between Pharmacognosy and clinical pharmacy



As the use of herbals increased in the recent years due to lower toxicities and less side effects, new kinds of demands are raised. But sometimes herbal medicines may cause unwanted effects, allergic or toxic reactions. There are several potential problems associated with herbal remedies like lacking of systematic reviews and evidence-based data about their efficacies[5,6]. Herbs can even cause drug-drug, drug-food and herb-drug interactions if not properly used specially in use of OTC drugs[7]. Hence the role of clinical pharmacist in this gap is essential and this leads the making bond between these two fields and chronic problems are solved where Clinical pharmacognosy should deal with above problems and find the best solutions. This discipline may extend the scope of clinical aspects of pharmacognosy and play a progressive role in the safe, rational and efficient use of traditional and herbal medicine. There are several unproven therapeutic benefits and undisclosed toxicities and difficulties in standardizing natural treatments[8]. Clinical Pharmacognosists can provide full and correct information about all pharmaceutical and medical aspects of plants, natural health products and dietary supplements. This field may plays leading and interesting roles in identifying, analyzing, standardizing, controlling, documentation and determining of these natural health products evidence based medicines. It increases more the findings of effective naturals especially by doing systematic review of randomized controlled trials evaluated herbal therapies for different diseases.

Conclusion

Clinical pharmacognosy is a bridge between clinical research and botanicals knowledge providing clinical and pharmaceutical researchers, physicians and other healthcare professionals about the progress of herbal and traditional medicines in the world. There are huge capacities of research topics in the herbal and traditional medicine fields which they can design and perform clinically. New attention to these effective herbs will lead us to discovery of effective drug molecules.

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