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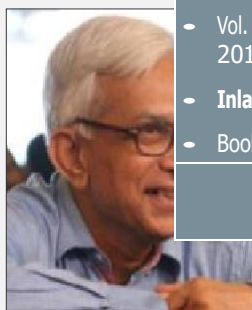
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For queries and more information

Email: aptienquiry@gmail.com, apti.headquarters@gmail.com,
Mobile No. 98443 99409, 99458 46106



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S.K. Kulkarni
Emeritus Professor
skkulkarni46@gmail.com

OFFICIAL DESK

Professor Harkishan Singh- a man with a mission*

In 1967-68 I was studying in the final year (1967-68) of the B. Pharmacy course in the Government College of Pharmacy, Bangalore (now Bengaluru) in Karnataka. There was so much of **halla gulla** about Medicinal Chemistry practical examination that our teacher told us read Morrison & Boyd's Organic Chemistry book. We had only one copy of the book in the library and we used to get it issued turn by turn for overnight home reading. There was a sigh of relief on the day of the examination when we came to know that the examiner who was to come from North India could not make it. The examiner was none other than Professor Harkishan Singh!

It took some years before I would have a close encounter with Professor Harkishan Singh. As destiny would have it I ended up serving Panjab University under his stewardship. When I joined Panjab University in January 1979, Professor Harkishan Singh was the Head of the Department. He was responsible for my joining the University as a teacher.

The man with a mission:

Developing Pharmacology Research at PU:

Professor Harkishan Singh had taken a calculated risk in importing me from America. An unknown entity, South Indian- not sure how long he would stick in an unknown territory and always in the lookout for an opportunity to move back to USA or to some other

place (I was appointed to a senior position by the University without an interview, which was constantly questioned by political academics on the campus!). I could see this anxiety playing on his (Professor Singh's) mind. But he had a mission to accomplish, i.e. to establish 'Pharmacology research' in the department. Within months of my joining

the department I proposed to start a master's course (M. Pharm) in the subject. Knowing full well the bottlenecks; approval by the board of postgraduate studies (the Faculty of Pharmacy was not yet formed then), curriculum, facilities, timelines, and other administrative hurdles, he agreed to the idea and gave me a green signal to prepare for the start of the course from the following academic admission in July (1979). Now, half a century later, if one wants to repeat the exercise, it would just be impossible! He perhaps anticipated that if I got involved in organizing the course, I would be fully occupied in day-to-day teaching, conducting practical classes, and more importantly working towards establishing postgraduate research activities, creating infrastructure, and writing research schemes, presentations, seminars, and whole lot of things. The idea of looking for another job would be out of one's (my) mind! That's what happened; I spent next more than three decades in establishing a world class, nationally and internationally recognized school of doctoral and postgraduate research facilities in pharmacology. In the subsequent years UGC recognized our efforts in more than one way.

Over the years hundreds of students have come from all over the country to pursue M. Pharm and PhD degrees in pharmacology at Panjab University. It has become a premier choice in pursuit of higher learning in pharmacology. Looking back, it was a win-win situation for all concerned; me as beginner, Professor Harkishan Singh (to disprove his critics) and for the University! But most importantly, the vision and the foresight of the man triumphed above all.

Pursuit of National Institute of Pharmaceutical Sciences:

At the New Delhi IPC in 1985 which was presided over by Dr. Parvinder Singh, CMD of Ranbaxy Laboratories and inaugurated by the then Prime Minister Mr. Rajiv Gandhi, a decision was taken to establish a National Institute of Pharmaceutical Sciences. The profession was aspiring to have a premier institute like IITs, IIMs or IISc for decades and it had come as a welcome decision of the government. Soon after we returned from the IPC, one day Professor Singh (by then he had relinquished the headship due to the introduction of a rotation-based headship policy) called me for a discussion. He spelled out his idea of a national institute having world class status and stature. He wanted my inputs in preparing a working paper to submit to the Government. Over the next few months, we discussed thread-by-thread on the evolution of the institute; from its mission to its location; from its infrastructure to its operating requirement- budget, faculty, courses, governing council, autonomy and most importantly requirement of land. He wanted the institute to be declared as an institute of national importance by the government. It was a tall order, but he had a conviction that nothing short would be acceptable to the profession. The document was ready to be presented to the government. Because of the political instability the document went in to cold storage for a while. Even then, Professor Singh was actively pursuing the cause without would ever disclosing the status to anyone including to me who had spent quality time in the preparation of the document.

The roller-coaster journey is not unusual in the life of an academic. One fine morning Professor Harkishan Singh decided to carry out his academic pursuits from home. I was a bigger loser; my meetings with him on daily basis became less frequent. Sometimes in early 1990s, a messenger came to my office in the University to deliver a letter and also told that he would pick me up from my home next day for site visit. I met Professor Singh and some representatives of the Ministry of Petroleum and Petrochemicals. The new government in New Delhi had tagged the creation of new National Institute of Pharmaceutical Sciences with the Punjab accord (in other words the institute would be located in the state of Punjab). Professor Harkishan Singh was on yet another mission mode. Next two years we almost met every day in the evening discussing the architecture of the upcoming institute and its construction. The meetings were held in Chandigarh, New Delhi and other places. The OSD of the project was a dynamic officer (retired from Finance Ministry) who meant business. He realized that if Professor Harkishan Singh could be convinced, half the work would be done. He also valued our inputs immensely. The mission moved faster than expected. At last the National Institute of Pharmaceutical Education and Research (the name christened by Professor Harkishan Singh) got established in Mohali, Punjab.

Reflecting on the History of Pharmacy in India:

By the time I returned from USA after completing the Fulbright Visiting Professorship (1988-1989), Professor Harkishan Singh had superannuated (retired is not an appropriate word to describe a man who keeps on working even at 90 years of age). He had become UGC-Emeritus Fellow and was on another mission mode, reflecting on the history of Indian Pharmacy! In these 30 years, from 1988 to 2018, he has travelled extensively both in the country and abroad to collect information on history of pharmacy and has built a mini-library of his own in his home. He has produced seven volumes on various aspects of the journey of pharmacy in India, from men to material, from legislations to their implementation, from industry to professional practice. His collection could be easily called the referral information center on who's who and what's what in Indian pharmacy. He used to take pride in giving a tour of his personal library. No wonder the Government of India recently recognized his commitment to the profession by honoring him with Padma Shri, fourth highest civilian award, a rare distinction for a teacher. The Universities and the professional bodies have not lagged behind; he was awarded D.Sc. (Hons) by the Universities of Philadelphia, USA and the Panjab University, Chandigarh, respectively. All most all the national professional bodies have honored

Figure 1. At my retirement function in 2008



him with various awards (the list is long).

As Professor Singh continued to work on his missions, my professional career also advanced significantly. By the time National Institute project was rolled off, I was heading the Department of Pharmaceutical Sciences (which was re-named as University Institute of Pharmaceutical Sciences in 1994 on the occasion of the Golden Jubilee) in the University. The following years till my superannuation in 2008 were very hectic and eventful, both academically and professionally. Of the many things that happened, I was elected as the Fellow of the National Academy of Medical Sciences, a rare distinction for a non-medical scientist, also elected as the national President of the Indian Pharmaceutical Congress Association and presided over the 51st Indian Pharmaceutical Congress in 2001 and served the University as DUI (equivalent to Pro-Vice Chancellor).

Professor Singh felt happy (a reserved person rarely expresses!), he had not expected that I would last that long in the University. In early 2000 the University was contemplating on appointing some emeritus professors. Professor Harkishan Singh was the obvious choice and the University honored him with the emeritus professorship and gave an opportunity for him to re-join

the institute, and for the UIPS to receive him back in the department.

He makes it a point to visit the department once a week. Perhaps, he is on another mission!

A private person:

In one of my recent visits to the department Professor Singh mentioned about his biography, 'Witness to an era- an autobiography' and as promised he sent me a copy. He narrates in the opening statement in the book, 'I had a humble beginning..., spent my younger days in villages in pre-partition Punjab'. The village life, joint family, training with Sikh priests before formal schooling and the value system inculcated in a young age perhaps have left a lasting impact while growing up as well as his approach later in life including his professional life. It is often difficult to change as one grows in age.

I had my first meal in Chandigarh at Professor Singh's house (F-27, sector 25) on Sunday the 21st January 1979! He told me to reach the department at 9:00 am the following day. I was there on dot. Wearing a white coat, he took me round the department and brought me to the room (no. 9) which became my office as well as my lab in the beginning. It is still my office which I use on my visits to the University.

In those days the departments had pyramidal structure, Professor and Head (only professor) and rest was junior colleagues (Readers and Lecturers). Once a Head, you are the Head until you retire. The Heads used to be very dominating figures. During the time he (Professor Singh) was the Head of the department, none of the colleagues including senior teachers spoke in front of him (out of respect or fear!). It was strange experience for a newcomer who had come from the free world (USA), but I started interacting and expressing my point of views.

In my many decades of interaction with Prof Harkishan Singh, I found him to be a private person who held strong principles, convictions as well as opinions – whether it was of his writings, works; or people, research, institutions and occasions. In early 1970s, his research group had synthesized 'Chandonium iodide' a neuromuscular blocker likely to be used as adjunct in anesthesia. In those days the regulatory requirements were not that stringent that the molecule could have been approved for human use, but for Dr. Singh's insistence that CSIR, the agency that funded the research, took it to market place. In my personal observation, CSIR let the research and the molecule languish and eventually killed the molecule.



He writes about Mrs. Singh in his autobiography, the lady behind the success of the man, '...my wife Gian and our children who tolerated my spending time in academic pursuits which good extent belonged to them'. His long-life partner of forty odd years Mrs. Singh passed away in 1998 under difficult circumstances. He acknowledges her many qualities in the book, from her interests in 'Gurbani kirtan' to how she kept herself engaged with the family, taking care of his ageing parents, children and other members of the family when the man of the house was busy in academic work. She was loving and caring person and often enquired about our children.

As I grew up with the profession, I started forming my own opinions and perspectives which were divergent at times to the views held by Dr. Harkishan Singh. He valued my constructive criticism of his writings. But that did not deter our understanding of each other, instead my respect for his wisdom and perseverance grew with passing years. It is always pleasure listening to him and for me, a great learning experience. At times he expressed his anguish or dissatisfactions with the happenings in the profession, more so with the quality of education, proliferation of institutions and practice of pharmacy which is so dear to his heart.

We are celebrating his 90th birthday and pray that he completes the 100years mark! We wish him many years of active life to unfold the mysteries of the profession. A tribute to Professor Harkishan Singh on his 90th birthday.

INSTITUTIONAL NEWS



School of Pharmacy and Research, People's University, Bhopal and Pharmacy Council of India New Delhi jointly successfully organized three days **Continuing Education Program (CEP)** on **"Innovative teaching methodologies based on effective learning outcomes and student performance"** from at PCMS Auditorium, People's University Bhopal.

To ensure uniform implementation of the education standards set by the PCI, the council is striving to conduct the training programmes and workshops for the pharmacy teachers, who are actively involved in uplifting the professional standards of our country. One such attempt is "continuing education programme (CEP)". School of Pharmacy and Research (SOP&R), People's University, Bhopal had taken this opportunity to call upon pharmacy teachers from different colleges and institutions to share the vision of PCI and join hands with us in our endeavour to produce pharmacist workforce competent for the society.

Therefore as per the theme, programme was focused to introduce college teachers to the pedagogy of student-centered teaching-learning practices (active learning) with innovative teaching technology tools that they commonly used as a teaching resource like software's, apps, videos, animations and simulations.

Dr. Akhilesh Kumar Pandey Chairman Madhya Pradesh Private University Regulatory Commission was graced the occasion as Chief Guest of the event.

This CEP was the meeting of scientists, researchers and teachers working in the field of Pharmaceutical Research and development. The event has

brought all the Pharmacy teachers under one umbrella to present and discuss their innovative ideas of teaching and learning. Dr.M.K.Unnikrishna Panicker (Ex-Director, School of Medical Education, MG University, Member, Permanent Lok Adalat , Vanchiyoor, Trivandrum) in technical session gave his lecture on "Teaching", Dr. V. Ravichandiran (Director, National Institute of Pharmaceutical Education and Research, Jadavpur, Kolkata) covered "System Biology knowledge for Drug Development", Prof. (Dr) V. Gopal (Principal, College of Pharmacy, Mother Theresa Post graduate and Research Institute of Health Sciences, Puducherry) shared knowledge about "Promoting Active Learning in Pharma education" Prof. (Dr) Munir Ahmed R (HoD, Govt. Homeopathic Medical College, Jayanagar Bangalore) enlighten the participants with "Introduction to Educational Methodology as a process for Faculty Development", Prof. (Dr). Anwar R Shaikh (HoD, Dept. of Pharmaceutical Chemistry, Allana College of Pharmacy, Pune) gave training on Innovative teaching methodologies based on ICT Tools, Dr. Surendra S. Agrawal (Asso. Prof. School of Pharmacy & Technology Management, NMIMS Mumbai) demonstrated about Creating Moocs: An innovative teaching learning tool, Dr. Kamal Shah (Asso. Prof. Institute of Pharmaceutical Research, GLA University Mathura U.P) discussed about Role of Information and Communication Technology in Education, Dr. Sidharth Mehan (Asso. Prof. Department of Pharmacology, ISF College of Pharmacy, Moga, Punjab) gave his speech on "Enlighten Teaching Technology" Dr. Amit Alexander (Asso. Prof. Pharmaceutics, Rungta College of Pharmaceutical Sciences and Research, Bhilai, Chhattisgar) presented on Pharmacy Education System: Weakness and need for improvisation and Mr Sharad Prakash Pandey discussed about important tools for smart teaching (Asso. Prof. Truba Institute of Pharmacy, Bhopal M.P).

Pharmacy teachers from different pharmacy colleges of Bhopal showed their excellent participation in this event. This event is important because it covered all the topics relevant to the pursuit of emerging trends and technologies in teaching and learning process. At the end of the technical sessions Dr. Neeraj Upmanyu Principal SOP&R and Officiating Vice

Chancellor, People's University extended his gratitude towards Chief Guests, dignitaries and to Dr. B. Suresh, President Pharmacy Council of India; Dr. Shailendra saraf, Vice_President, PCI for their continuous support and encouragement for making this event successful. The three day continuing education programme was concluded with vote of thanks delivered by Dr Rupal Dubey, Associate Professor SOP&R, and Organizing Secretary of CEP.



Annamacharya College of Pharmacy conducted **A National Day of Unity** at the sprawling campus in Rajampet. The students of Pharm.D, B.Pharmacy, M. Pharmacy, D.Pharmacy were participated in this great event and took the pledge that they will contribute their pivotal role in the unity and development among themselves and country to make Nation as a role model to the world.

Dr. D. Swarnalatha, Principal, Annamacharya college of Pharmacy, addressed the participated staff and students and spoke a key note on Former First Deputy Prime Minister, Sardar Vallabhai Patel, his role to the inspiration of youth, the country costs for its unity for stature and for the vision of India. She added unity leads to success, success leads to growth, growth builds a commendable Nation and stood First in world ranking in terms of culture.

The Secretary, Sri. C. Gangi Reddy, Treasurer, Sri. C. Abhishek Reddy, Chairman, Dr C Ramachandra Reddy said the students studying NBA and NAAC A accredited institution like Annamacharya College of Pharmacy can be assured that they will receive a quality education and they would become a very good citizen with good morals.



Madhya Pradesh Council of Science and Technology sponsored **One day National level seminar** on **"Drug discovery from Natural Products: Recent Advances and Effective strategies for the Cure and management of Diseases"** was successfully organized by **KNP College of Pharmacy, Bhopal**. The seminar was inaugurated in presence of Dr. Kuldeep Ganju (Principal, Sagar Institute of Pharmacy & technology), Shri. Ramdayal Patidar (Chairman, KNP Group of Institutions), Mr. Abhishek Pathak (Manager, KNP Group of Institutions) Dr. Anup K Chakraborty (Principal, KNP College of Pharmacy, Bhopal, M.P.). Dr. Anup K Chakraborty in his introductory note explained the need of discussing Natural Product Chemistry and the objectives of the seminar.

The first session was delivered by Dr. Ajay Pise, Professor, Dadasaheb Balpande College of Pharmacy, Nagpur, Maharashtra. In his presentation he had covered concept of traditional natural products and their role in drug discovery, drug discovery methods to deliver many lead compounds in key therapeutic areas such as immunosuppression, anti-infectives and metabolic diseases.

The second session was delivered by Dr. Sukhwant Singh, Professor, Sagar Institute of pharmacy & Technology, Bhopal. In his presentation he had covered concept of use of medicinal plants throughout the history of the humans and the distinct eras during which the so called Rational ethnopharmacology or the home- remedy based medicine evolved eventually to become what we currently know as the age of high throughput techniques.

Post lunch session was concluded by poster presentation where students and faculty members from various academic institutions were presented their poster.



Mr. Murtuza Zaki proposed vote of thanks where he acknowledged and thanked **Madhya Pradesh Council of Science and Technology** for providing the financial assistance, Speakers for sparing their valuable time and insights on the subject, faculty members and students from various institutes for attending the seminar and Shri. Ramdayal Patidar (Chairman, KNP Group of Institutions) for providing the necessary facilities and motivation to organize this seminar. Dr. Anup K Chakraborty congratulated the faculty members of the institute and nonteaching staff for successfully organizing this seminar.

Columbia Institute of Pharmacy a renowned name in the field of pharmacy education since 2006 run by Janpragati Education Society has been accorded the accreditation by National Board of Accreditation from the academic years 2018-19 to 2020-21 i.e. three years based on the different programme outcomes as prescribed for the same.

The significance of accreditations accorded to Columbia Institute of Pharmacy is that the institution has demonstrated accountability towards the public & has shown commitment for educational excellence. It also shows that the has an appropriate sense of direction and identity for the service to society with reliable information on quality of education.

The Chairman of the institution Mr. Kishore Jadwani along with Secretary Mr. Harjeet Singh Hura congratulated all the stake holders and said that the institution is always committed towards excellence in the field of Academics as well as Research & Development by the scholars and the faculty members.

The management has credited the success to all the team members which includes the NBA co-ordinators Prof. Ravindra Pandey & Prof. Shiv Shankar Shukla working under the guidance of Prof. Amit Roy, Principal of the institution.

The institution is all committed towards upliftment of standard of teaching methodology by using digital learning method. Research Centre of the institution is always being visited by the scholars all over India as well as abroad.



ITM School of Pharmacy, ITM Universe, Vadodra has organized **ICMR and GUJCOST** sponsored National Seminar on **"Novel Drug Delivery System: Unlimited Frontiers for Lifestyle Disorders"**.

On first day, the seminar commenced with the Inaugural Ceremony which entailed the customary practice of prayer in term of Sarashwati Vandana followed by lighting the lamp. The dais was marked by the presence of Prof. (Dr.) R. K. Goyal, Vice Chancellor, Delhi Pharmaceutical Sciences and Research University, New Delhi as Chief Guest, Prof. (Dr.) P.G. Shrotriya, Former Director, Pharma Research, NMIMS, Mumbai, CEO, Elite Consultancy as Guest of Honor. Shri Ravindra Pratap Singh Rathore, Managing Director, ITM Universe also grace the event by his presence.

The welcome address was delivered by Dr. Vimal Kumar, Principal, ITM School of Pharmacy who welcomed chief guest, guest of honour, dignitaries, and all the participants. After the encouraging welcome address, Prof. (Dr.) R. K. Goyal, Chief Guest of event, delivered inaugural address spoke about the history of pharmacy and amalgamation of interdisciplinary branches with pharmacy. He also discussed about how lifestyle disorders were taking tolls on individual's life and recommended some daily routine changes to reduce the risk of said disorders.

The huge experience was very well seen in the key note address given by Guest of Honor Prof. (Dr.) P.G. Shrotriya, he talked about the various hurdles regarding medication for lifestyle disorders on the globe and outside it. He also introduced budding concept in pharm fields like electroceuticals, stemceuticals etc.

Shree R. P. Rathod, Managing trustee boosts the beauty of event. He briefed about seminar and its significance, he emphasized on scientific

advancement in area of medicine coupled with consumer demand promised impressive result at exorbitant prices to satisfy the need of brighter and healthier future.

The technical sessions of the seminar started with plenary lecture by Prof. (Dr.) Tejal Mehta, Head, Pharmaceutics, Institute of Pharmacy, Nirma University, Ahmedabad. She delivered lecture entitled as "Prognosticating Approaches for Effective Delivery of Natural Agent in Management of Breast Cancer" followed by session lecture by Dr. Pranav Shah, Professor, Pharmaceutics, Uka Tarsadia University, Surat. He talks about "Diabetes Management through Nanoparticles - Case Study"

On second day, technical session was started with plenary lecture by Prof. (Dr.) Sanjay Kumar Jain, Head, Dept. of Pharmaceutical Sciences, Dr. H. S. Gour, Central University, Sagar, (M.P) He delivered the lecture on topic "Potentials of Nano-constructs for Colon Targeted Drug Delivery" After his interactive talk, the gracing to the event was boosted by presence Dr. Ajay Khopade, Senior Vice President, Sun Pharma Advanced Research, Company Ltd., Vadodara, he addressed the audience on interesting topic "Small is a New Big : A Nanotechnology Products Case Study from Lab to Market".

The session was proceeded further by Prof. (Dr.) Krutika Sawant, Principal, Head, Dept. of Pharmacy, M.S. University, Vadodara. She spoke about "Ultrafine Emulsions: Nano emulsions" followed by session lecture by Dr. Gayatri Patel, Associate Professor, Dept. of Pharmaceutics, Charotar University of Science and Technology, Changa, Anand. She brief on topic "A Science Perspective on the Regulatory Challenges of the Nano-pharmaceuticals" Further the session was proceeded by poster presentation by participants which were judge by team of jury members. The panel of Jury members consists of Dr. Nazneen Surti, Vice Principal, Babaria Institute of Pharmacy, Vadodara, Mr. Rahul Pokharna, Sr. Executive, Global Manufacturing Science and Technology, Sun Pharma, Vadodara and Mr. Deepak Khatri, Manager, Global Manufacturing Science and Technology, Sun Pharma, Vadodara. Finally the event was concluded by formal vote of thanks by Mrs. Jaswandi Mehetre, coordinator of National Seminar.



Raghavendra Institute of Pharmaceutical Education and Research



(RIPER) – Autonomous in association with **Rural Development Trust** (RDT) Hospital, Bathalapalli., Andhra Pradesh, and **IPA Hospital Pharmacy Division** organized **One Day Workshop on Antimicrobial Resistance for PharmD students**, with main axiom of educating them regarding the significance of rational use of Antibiotics, and risk of its inappropriate utilization. PharmD students of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) – Autonomous, are part of Awareness and continuing education programme on AMR as volunteers which has been decentralized in all parts of Ananthapuramu region, through medics and paramedics professionals and practitioners; and medical social workers.

The workshop was convened by Dr. Mohanraj Rathinavelu (Associate Professor, Department of Pharmacy Practice-RIPER); Dr. HN. Sharma (Medical Superintendent and Consultant Pathologist-RDT Hospital, Bathalapalli) was the Chief Guest and delivered a keynote address; the workshop was chaired by Dr. P. Ramalingam (Director-Research, Raghavendra Institute of Pharmaceutical Education and Research (RIPER)–Autonomous) and coordinated by Mr. G. Narayana (Associate Professor, Department of Pharmacy Practice, Raghavendra Institute of Pharmaceutical Education and Research (RIPER) – Autonomous) and Dr. Bhupalam Pradeep Kumar (Associate Professor and Head, Department of Pharmacy Practice, Raghavendra Institute of Pharmaceutical Education and Research (RIPER) - Autonomous). The AMR Workshop drew nearly 125 PharmD students.



Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research, Centre Kharadi, Pune organized one-day state level seminar on "Intellectual Property Rights".

The seminar was aimed to apprise different aspects of Intellectual Property Rights, to create awareness about IPRs, especially patents and copy rights among faculty members, researchers/inventors in respect of patenting their inventions.

Chief guest Hon. Rajendra Ghadge, Vice-president, Pune District Education Association along with Mr. Sachin Itkar, Senior Programme advisor Strategic Foresight Group, Dr. Ashok Bhosale Principal of college, inaugurated the seminar.

Hon. Rajendra Ghadge explained about the India where knowledge is the main driver of development and knowledge owned is transformed into knowledge shared.

Dr. Ashok Bhosale nicely elaborated patent system in India, He said the India where creativity and innovation are stimulated by Intellectual Property for the benefit of all; an India where intellectual property promotes advancement in science and technology, arts and culture, traditional knowledge and biodiversity resources. The morning Session-I started with the lecture of Mr. Sachin Itkar, who gave insights on "Intellectual Property Rights and their importance". He explained Indian IP offices have undergone major improvements in terms of upgradation of IP legislation, infrastructure facilities, human resources, processing of IP applications, quality services to stakeholders, transparency in functioning.

Afternoon session was begun with informative and interactive talk on "Patent filling and drafting process" by Dr. Smita Bhutkar, Senior Patent Associate R. K. Dewan and Co. Pune. Ms. Ankita Nagarkar enlightened us on creating public awareness about the economic, social and cultural benefits of IPRs among all sections of society.

In valedictory programme some delegates extend their feedback about seminar. The one-day seminar was concluded with vote of thanks by Prof. Vipul Dhasade, coordinator of this Seminar. For this seminar nearly 90 delegates from different institutions of Maharashtra had participated and interacted with renowned resource persons.



The National Pharmacy Week Celebrations 2018 was conducted by **Annamacharya Pharmacy College** with the theme of **Pharmacists for Healthy India in and around the campus** by amplifying the programs like



Health camp, Awareness of Nutrition, Do and Do Not's for the healthy life of human being.

Sri C. Abhishek Reddy, Treasurer, Annamacharya Educational Trust, revealed the significance of frequent Health Check up for early eradication of diseases. He also added the need of a Pharmacist is a precursor for promoting health care by creating the awareness to public from elementary level to the level of curing the disease and also for its eradication in future generations.

Dr. D. Swarnalatha, Principal, ANCP, nurtured the students for conducting health camp, and regular consumption of nutrition rich food materials such as milk, meat, egg, leafy vegetables with exercises help the human to maintain balanced Body Mass Index (BMI). She emphasized the profession of pharmacy by stating with a quote Pharmacists are the professionals who creates, formulates, develops Novel Drugs with Copacetic Dosage Forms Gives Live to Patients. She also made oath with the staff and students for Health Elevation and Disease Mitigation towards public.

The students as a part of this celebrations conducted Nutrition awareness



program with Skit program concerns to Do's and Don't's in regular life, Display Charts, Posters, in the Rural Government schools of Z.P.H.S in Boyanapalli (Sri Janapati Subbarayudu Memorial High School) and Thallapaka villages, Health Camp Program in college premises and community outreach program for better health in chakradhara colony.

The Secretary, Sri. C. Gangi Reddy, Chairman, Dr. C. Ramachandra Reddy, Vice- Chairman, Sri. C. Yella Reddy said the students studying NBA and NAAC "A" accredited institution like Annamacharya College of Pharmacy can be assured that they will receive a quality education and they would become a very good citizen with good morals.



A One Day Workshop was organized by the **Department of Pharmaceutics** team entitled **Recent Advancement in Pharmaceutical Academia and Research Aspects for the faculty members, M.Pharmacy students, Research Scholars of Ph.D,** in the glorious campus of Annamacharya College of Pharmacy.

Dr. K.P.R.Chowdary, Former Principal, AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnam, Speaker of today program delivered a key note on selection and election of novel projects which affords better care for patients and health care society. He described the process and parameters to be considered to formulate the chemical moiety in approximate dosage form for functioning its maximum in curing the disease. Preformulation factors, Immediate release products, clinical research, research outcomes, Pharmacovigilance, Designing of new experiments to promote novel ideas in the field of Pharmacy Profession were discussed in this event.

Dr. D. Swarnalatha, Principal, Annamacharya College of Pharmacy,

expressed her gratitude to reverence personality in Pharmaceutical field for both Academic and Industry, for his lecture to the staff and students which costs in the current days for carrying the Research works. She added the Pharmaceutics department constitutes the specializations of Pharmaceutics, Pharmaceutical Technology and Drug Regulatory Affairs.

Dr. S. Ramkanth, Head of the Department, Pharmaceutics coordinated this event for its fruitful success.

The Secretary, Sri. C. Gangi Reddy, Chairman, Dr. C. Ramachandra Reddy, Vice- Chairman, Sri. C. Yella Reddy, Treasurer, Sri. C. Abhishek Reddy, said the students studying NBA and NAAC "A" accredited institution like Annamacharya College of Pharmacy can be assured that they will receive a quality education and they would become a very good citizen with good morals.



World Physiotherapy Day takes place every year on 8th September. The Day is an opportunity for physical therapists from all over the world to raise awareness about the crucial contribution the profession makes to keeping people well, mobile and independent. On occasion of World Physiotherapy day, **School of Physiotherapy, Delhi Pharmaceutical Sciences and Research University** was organized Symposium on the theme "**Recent Advancement in Physiotherapy**" at 6th September, 2018 & Hands on Workshop on 7th September, 2018 by Dr. Rajiv Tonk (Organizing Secretary), Dr. Jyoti Kataria & Dr. Parul Sharma (Joint organizing Secretaries) & Executive co-ordinators (Dr. Shilpa Jian, Dr. Siddharth Sen & Dr. Varsha Chorsiya).

The symposium was inaugurated by Mr. Vivek Sehgal, Chief Guest; Mr. Mr. Ajay Dutt, Guest of Honour; Dr. (Prof) S.S Aggarwal, Founder &



Ex-VC of DPSRU; Dr. (Prof) R.K. Goyal, Vice Chancellor (DPSRU); Dr. Narkeesh Arumugam, Head Physiotherapy (Punjabi University); Dr. (Prof) Raman Dang, Registrar (DPSRU); Dr. D.P Pathak, Director DIPSAR; Dr. (Prof) Harvinder Popli, Dean & Principal (DPSRU).

Chief Guest, Mr. Vivek Sehgal, Principal of PHD Chamber of Commerce and Industries, during his inaugural address emphasised on the role of Physiotherapist, Sports Physiotherapy and Neuro physiotherapy with special mention of requirement of Physiotherapy for geriatrics. He also mentioned the importance of moral science education.

Guest of Honour, Mr. Ajay Dutt, MLA, Ambedkar Nagar Constituency of AAP during his address assured the support of various government hospitals of New Delhi for School of Physiotherapy, DPSRU. He also emphasised on the role of physiotherapist in the welfare of society.

Vice Chancellor, Dr. (Prof) Ramesh K. Goyal in his address emphasised on the profession of Physiotherapy and their role in healthcare practices. While delivering the talk he mentioned the importance of collaboration of School of Physiotherapy, DPSRU with the government hospitals for providing the best healthcare services to the society. In this regard made a request to Mr. Ajay Dutt.



In the inauguration ceremony, Dr. Harvinder Popli, Director DIIF with her team also announced the Health Hack 2.

The renowned Keynote speakers from Physiotherapy field - Dr. Harpreet Singh (AIIMS, New Delhi), Dr. Kavita Behal (Sub Editor, IJPOT Journal), Dr. Arun Mozi (Assoc. Prof. SBSPGI, Dehradun), Dr. Abha Sharma (H.O.D., Holy Family Hospital, New Delhi) & Dr. Narkeesh Arumugam (Professor, Punjabi university, Patiala) & Workshop by Well-known Resource Person Dr. Naveen Ganer on 'Manual therapy of Lumbar spine' on 6th & 7th September, 2018 respectively participated in this event all over the India.

The main objective of two days Symposium/Workshop was to provide a professionally rewarding experience to all the delegates from the medical fraternity in addition to socializing with colleagues from other institutions. This event was an excellent platform for various organizations to get updated information on key issues like Lumbo-sacral dysfunction, cardiopulmonary diseases or disorders and sports injuries. This event was allow delegates to have issues addressed on the specified topics by recognized experts who are up to date with the latest developments in their own field. The participants learned new manual therapeutic techniques by our renowned Resource person Dr. Naveen Ganer. He





shared his expertise for the clinical examination of lumbosacral spine along with selective lumbopelvic manipulations through practical sessions. He taught latest mobilization techniques for treatment of lumbopelvic dysfunctions and back pain so that our delegates get more updates with the latest therapeutic maneuvers for the treatment of various joint dysfunctions and any pathology underlying the joint. The learning environment encourages delegates to exchange experiences, ideas and practice from their own fields.



R.C. Patel Institute of Pharmaceutical College and Research, Shirpur organized **One day National Conference on "A Global Perspective on Pharmaceutical IPR: Challenges and Potential"** on 8th September 2018.

The Seminar was sponsored by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon. Deliberation witnessed participation of more than 300 delegates comprising of research scholars, under graduate, post graduate students and faculty members from various pharmacy institutes.



The event commenced with the inaugural ceremony by lightening of lamp at the hands of Chief Guest Prof. Dr. D. R. Patil (Principal, R. C. Patel Arts, Commerce and Science College & Dean, Faculty of Science and Technology, KBC NMU, Jalgaon) accompanied with chief guests Dr. Bhushan L. Chaudhari (Professor, Dept of Microbiology, KBC NMU, Jalgaon), Dr. S. S. Toshniwal, (Director, Vidarbha Institute of Pharmacy, Washim and Pharma Patent Consultant), Dr. Mrs. S. R. Shahi (Associate Professor, Govt College of Pharmacy, Aurangabad), Prof S. J. Surana (Principal, RCPIPER, Shirpur), Dr. S. B. Bari (Principal, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur), Dr. Atul A. Shirkhedkar, Vice- Principal & Convener with Dr. Saurabh B. Ganorkar (Assistant Professor, RCPIPER and Co-Convenor) were present on the dais. The blessings from Goddess Saraswathi were sought with the recitation of the vandana.

The presidential address from Dr. D. R. Patil was followed by the introductory remarks from Principal, Dr. S. J. Surana, in which he briefed about the logarithmic development of the institutes. He has also mentioned about the various sophisticated research facilities available with the institutes and quality research work going on therein. Dr. A. A. Shirkhedkar highlighted the conference topic and the motive for which it was organized.

Dr. B. L. Chaudhari enlightened the participants with his guiding words and the abstract souvenir in the electronic format was released after all the addresses.

The event then continued with the plenary sessions that witnessed talk on recent advances in the field of Intellectual Property Rights. Dr Toshniwal gave a comprehensive talk on the introductory remarks of the IPR. Dr. Toshniwal in his presentation discussed importance of IPR and patents. Through various case studies, he has explained about IPR and patents. He has also mentioned about the precaution needs to be taken while drafting the patents.

Dr. Shahi presented her talk on Information Resources, courses related to IPR, certification and ANDA filing. Her talk was important for the student participants to make them aware of all the courses where they can register for IPR. Further, Dr. Chaudhari threw light on International and National scenario of global innovation index and related things.

In the final plenary lecture, Dr. U. K. Patil, Prof. Dept. of Microbiology, R. C. Patel Arts, Commerce and Science College, Shirpur has presented his talk by discussing few case studies from the pharmaceutical field.

The couple of selected scientific posters were presented during the conference. The plenary sessions were followed by the panel discussion. The students participated actively to get their queries answered.

The seminar ended with the valedictory ceremony. Dr. Ganorkar concluded the ceremony with vote of thanks. All the speakers were felicitated with a memento and certificate.

The inaugural session and various events in the conference were anchored by Dr. Mrs. P.H. Agarkar and Mrs. Snehal K Bhavsar. The event was completely covered by print and press media of various news papers.

The institute is thankful to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon for sponsoring the event and thank all the guests, speakers, participants and faculty members whose contribution made it a great success. The organizing committee also thanked the Management of Institute for their constant encouragement and also for providing wonderful infrastructural facilities. On a whole the hard work of organizing committee members, Dr. C. R. Patil, Dr. A. U. Tatiya, Dr. H. S. Mahajan, Dr. S. S. Chalikwar, Dr. N. G. Haswani, Dr. P. S. Jain, Dr. R. R. Patil, Dr. S. C. Khadse, Dr. A. B. Mundada, Dr. H. M. Patel, Dr. Md. M. G. Khan, Dr. S. D. Firke, Dr. M. S. Ghodke, Dr. A.G. Nerkar, Dr. Mrs. Priti Jain, Dr. V. G. Ugale, Dr. D. K. Lokwani, Dr. Mrs. P. V. Joshi, Mr. A. S. Patil, Mr. S. R. Chaudhari, Mr. P. J. Chaudhari, Mr. J. G. Jadhav, Ms. Y. B. Wani and student participants and delegates made the event a success.



Association of Pharmacy Professionals (APP) Malaysian International Branch organized 1st Indo Malaysian Conference on "**Global Scenario and Challenges in Pharmaceutical Sciences & NanoTechnology**" at **Malla Reddy College of Pharmacy**, Maisammaguda, Dhulapally, Secunderabad, Telangana on 10th September 2018, in collaboration with **APP Tamilnadu State Branch** and **APP Ethiopian International Branch**.

The scientific event was witnessed by Sri Ch. Malla Reddy, Honourable

Member of Parliament, Lok Sabha for Malkajgiri Constituency, Telangana and Chairman, Malla Reddy College of Pharmacy, Maisammaguda as 'Chief Patron'; Dr. Rajiv Dahiya, Founder President APP and Director, School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies, St. Augustine, Trinidad & Tobago as 'Organizing Chairman'; Prof. M. Sudhakar, Principal, Malla Reddy College of Pharmacy, Maisammaguda as 'Convener'; Dr. K. Jaya Raja Kumar, President, APP Malaysian International Branch from Faculty of Pharmacy, AIMST University, Bedong, Semeling, Kedha, Malaysia and Prof. P. Shanmugasundaram, President, APP Tamilnadu State Branch and Director, School of Pharmaceutical Sciences, Vels Deemed to be University, Chennai, Tamilnadu as 'Co-conveners' and Prof. A. Muralidhar Rao, President, APP Telangana State Branch and Principal, St. Mary's College of Pharmacy, Secunderabad, Telangana as 'Scientific Committee Chairman'.

Scientific session was enriched with lectures of Dr. Anil Tumkur Mruthyunjaya from Department of Pharmacy Practice, International Medical University, Bukit Jalil, Kuala Lumpur, Malaysia; Dr. Palanisamy Selvamani, Secretary, APP Tamilnadu State Branch from Department of Pharmaceutical Technology, Anna University, BITS Campus, Tiruchirappalli, Tamilnadu and Dr. Suresh V. Chennupati, Vice President, APP Ethiopian International Branch from Department of Pharmacy, College of Medical & Health Sciences, Wollega University, Nekemte, Ethiopia. All the resource persons of the conference were felicitated with 'Certificates of Appreciation' after their lectures.

During the valedictory function, Prof. M. Sudhakar, Principal, Malla Reddy College of Pharmacy, Maisammaguda was conferred with 'APP Appreciation Award' by Vice President, APP Ethiopian International Branch and Secretary, APP Tamilnadu State Branch. Programme terminated with distribution of best poster certificates and vote of thanks.



Association of Pharmacy Professionals (APP) Tamilnadu State Branch organized 15th Indo African Conference on "**Global Trends & Innovations in Translational Research and Herbal Technology**" at **Vaagdevi Group of Pharmacy Colleges**, Bollikunta, Warangal,

Telangana on 19th September 2018, in collaboration with APP Ethiopian International Branch.

The scientific event was witnessed by Prof. Y. Madhusudan Rao, Director, Vaagdevi Group of Pharmacy Colleges, Warangal, Telangana as 'Convener'; Dr. Rajiv Dahiya, Founder President APP and Director, School of Pharmacy, Faculty of Medical Sciences, The University of the West Indies, St. Augustine, Trinidad & Tobago as 'Organizing Chairman'; Dr. Suresh V. Chennupati, Vice President, APP Ethiopian International Branch from Department of Pharmacy, College of Medical and Health Sciences, Wollega University, Nekemte, Ethiopia and Prof. P. Shanmugasundaram, President, APP Tamilnadu State Branch and Director, School of Pharmaceutical Sciences, Vels Deemed to be University, Chennai, Tamilnadu as 'Co-conveners'; Dr. Sunita Dahiya, General Secretary APP from Department of Pharmaceutical Sciences, School of Pharmacy, University of Puerto Rico, San Juan, Puerto Rico, USA as 'Scientific Committee Chairman' and Prof. B. Chandra Shekhar Reddy, Head, Department of Pharmaceutics, Vaagdevi Pharmacy College, Warangal, Telangana as 'Organizing Secretary'.

Scientific session was enriched with lectures of Prof. M. Himaja, Vice President, APP Tamilnadu State Branch from Department of Chemistry, School of Advanced Sciences, VIT University, Vellore, Tamilnadu and Dr. Digambar Balkrishna Ambikar, Executive Member, APP Ethiopian International Branch from Department of Pharmacology, School of Pharmacy, College of Medical and Health Sciences, University of Gondar, Gondar, Ethiopia. All the resource persons of the conference were felicitated with 'Certificates of Appreciation' after their lectures.

During the valedictory function, Prof. Y. Madhusudan Rao, Director, Vaagdevi Group of Pharmacy Colleges, Warangal, Telangana was conferred with 'APP Life Time Achievement Award 2018' by Dr. Suresh V. Chennupati, Vice President, APP Ethiopian International Branch from Wollega University, Nekemte, Ethiopia. Programme ended with vote of thanks and distribution of best student awards, best researcher award, best achiever award and best faculty awards to Mr. L. Santhosh, Mr. P. Rajashekhar Dr. B. Chandra Shekhar Reddy, Smt. V. Padmaja, Dr. Durga Prasad Kemiseti and Dr. Kiran Kumar.

The **Delhi Pharmaceutical Science and Research University (DPSRU)** organized the "Train the Trainer" program as a part of Designing Thinking Impact Week, in collaboration with reputed German Airline Lufthansa, on October 4 and 5, 2018. This was the first time when this prestigious program, anchored by Lufthansa, was organized in Asia.

The aim of this week long workshop from October 4-11, 2018 was to instill a creative and critical thinking mindset in key stakeholders of the



academic ecosystem and accelerate the run-rate of innovation. The workshop was divided into two phases:

Phase 1: Train the Trainer program where an International team of innovation experts enabled University faculty to teach Design Thinking.

Phase 2: A four day workshop where 150+ students engaged in "Design Thinking Challenges" in diverse areas and developed solutions and business models. The coaches included those which were trained in Phase 1 of the program.

Forty seven faculty members from Delhi Pharmaceutical Science and Research University (DPSRU), College of Business Studies and Ambedkar University were trained in Design Thinking methodology.

The Train the Trainer workshop was inaugurated by Professor Samir Brahmachari, former Director General CSIR, who was the Chief Guest for this program, along with Guest of Honor, Mr. Vijay Kumar, Director, MSME Development Institute.

Speaking on this occasion Professor Ramesh K Goyal, Honorable Vice Chancellor, DPSRU: Professor Harvinder Popli, Dean DPSRU and Director, DPSRU Innovation and Incubation Foundation.

ASPM's K.T.Patil College of Pharmacy, Osmanabad has celebrated "World Pharmacist day" on 25th September 2018. Plenary speech was delivered by Mr. Vilas Dusane, Drug Inspector, Osmanabad on role of Pharmacist. The second talk was given by Dr. Kamthane B.M.

Principal, D. Pharmacy, Institute, Osmanabad on Duties of Pharmacist.



Principal, Dr. Birajdar Arunadevi S. has given vote of thanks. All Faculty Members, Non Teaching staff and Students of K.T.Patil College of Pharmacy, B.Pharm , Pharm D. & M.Pharm were attended this program.



United Institute of Pharmacy (UIP), Naini, Allahabad organized **Dr. APJ Abdul Kalam Technical University** sponsored **two day National Conference on "Empirical Research on Alternative Medicine: Impingement on Health Care System"** on 6th & 7th October, 2018 in association with Indian Society of Pharmacognosy. This two day National conference has explored on safety, assurance, efficiency and quality of medicinal plants, life style and food nutrition, potent molecule from the plants and marine sources which can be used for treating diseases. The key objectives of the conference were to focus on recent developments in the field of alternative medicines and their outcomes. The event started with the traditional way of lamp lightning ceremony by all seniors and dignitaries present in the conference. Prof. (Dr.) Alok Mukerjee, Principal UIP welcomed the dignitaries and addressed the gathering explaining the role of alternative medicines in daily life routine.

The Conference encompasses scientists, research scholars, academicians, students from different cities and various renowned Institutions and research laboratories. The conference was inaugurated by Prof. V.K. Dixit, National advisor, Society of Pharmacognosy (ISP), Sagar University, Sagar. Key note speaker of the conference was Prof. C.K. Kokate, Former President, Pharmacy Council of India.

Renowned Speakers from different research organizations were Prof.



Swarnlata Saraf, Pt. Ravishankar Shukla University, Raipur, Prof. (Dr.) Vimal Kumar, ITM School of Pharmacy, ITM University Vadodara, Dr. N.P Yadav, Sr. Scientist, CIMAP, Lucknow, Prof. Umesh Patil, Department of Pharmacy, Sagar University, Prof. A.K. Singhai, Sagar University, Prof G.S. Tomar, Dept. of Ayurveda IMS, Banaras Hindu University, Varanasi & Dr. Godwin Newton, Plant Head, Sri. Baidynath Ayurved Bhawan (P) Ltd, Allahabad. Mrs. Shradhanjali Singh had welcomed all the delegates and guest speakers and talked profoundly about the conference.

Dr. Jagdish Gulati, President UGI was also present in the conference and He had blessed the gathering and said alternative medical systems incorporate many of the different practices for example, the TCM practice of acupuncture may be combined with herbal medicine and Ayurveda includes the mind-body therapies of meditation and yoga, along with the practice of taking specific herbs for health reasons. Speaking on the occasion as Key note speaker of the Conference Prof. C. K. Kokate gave a sparkling and mesmerizing speech to all the dignitaries, faculties and students present at the event. He said that Alternative Healthcare medicine is a healing practice that is not related to any of the scientific methods of treatment. It consists of a wide range of health care practices, natural products and therapies, ranging from natural herbs to the modified by products extract. Around 500 delegates from different academic & research institutions have participated in the conference and participated in oral and poster presentation with great enthusiasm. Dr. Vimal Jain had delivered a lecture on empirical research on herbal nutraceuticals: unlimited frontiers for life style disorder. Dr. N P Yadav, had discussed about drug development from natural products and their opportunities and challenges. Prof. G S Tomar had explained about role of Ayurveda and yoga in global health scenario in his lecture. Dr. Godwin Newton had delivered lecture on empirical research on ayurvedic medicine: Yashad bhasma. Dr. Umesh Patil explored about recent challenges and advances in quality control and standardization of herbal products. Technical session was followed by oral presentation and Poster Presentation in which 110 research and review papers were presented by faculties and students. A Proceeding has been published which contains research papers with focus of new area of research.

Around 500 delegates from various institutes attended the conference. The cultural program was facilitated by students of United Institute of Pharmacy.

The Valedictory session encompasses with the presence of eminent speakers, Prof. (Dr.) Alok Mukerjee, Principal UIP and Convener of conference, members of organizing Committee, Technical, non technical members and media persons. All the delegates received certificates and prizes from the guests and Mr. Amit Kumar Singh (Organizing Secretary) had delivered vote of thanks Speech. The two days National conference was successfully completed by the members of the organizing committee.



"The objectives of research in science and technology should reach every common individual in the society" mentioned Dr. Balakrishna Kalluraya, Professor, Department of Chemistry, Mangalore University, Konaje address in the inaugural function by lighting the lamp at the **National Seminar on Research Methodology and Biostatistics** organised by **Indian Pharmaceutical Association**, D.K District Local Branch, Mangalore & **Srinivas College of Pharmacy**, Mangalore in association with **Rajiv Gandhi University of Health Sciences**, Bangalore on 12th October 2018 and gave a talk on Essentialities of Research-Grants & Publications.

Dr. P.S. Aithal, Principal, Srinivas Institute of Management studies, Mangalore in his keynote address emphasized on involving research in the start of every educational curriculum.

Dr. A.R.Shabaraya Principal and Director, Srinivas College of Pharmacy and President, IPA, D.K. District Local Branch in his presidential remarks called upon the young researchers to possess qualities like patience, perseverance and punctuality and get inspired by the lifestyle of eminent scientists.

Prof. Shilpakala K, Professor, Dept. of Mathematics, Srinivas Institute of Technology, Valachil, Mangalore gave a talk on "Applications of Biostatistics in Research Part -I & Part-II".

Dr. Krishnananda Kamath K, Associate Professor, Dept. of Pharmaceutics, Srinivas College of Pharmacy, Mangalore, "Research Publication Skills".

Dr. E.V.S Subrahmanyam, Professor, Srinivas College of Pharmacy and Vice President, IPA, D.K. District Local Branch, welcomed and introduced the guests.

Dr. Krishnananda Kamath K, Associate Professor, coordinated the programme. Ms. Jewel Janis & Ms. Agnes Jain Rose anchored the programme. Mr. Viresh K Chandur proposed vote of thanks. 200 delegates from Pharmacy colleges of Karnataka and Kerala attended the programme.



The **1st Annual convocation of DPSRU** was organized on 18th October, 2018 in **DPSRU**. The Hon'ble Chancellor Sh. Anil Baijal, Lieutenant Governor of NCT of Delhi conferred the degrees to M. Pharm., MBA (Pharmaceutical Management) MPH and MHM students of 2015-17 & 2016-18 Batch during the convocation. Prof. Chandrakant Kokate, former President, Pharmacy Council of India graced the occasion as the Chief guest.

Academic procession included Registrar, The Chancellor, The Chief Guest, The Vice Chancellor, The Chairman Board of Governors, Members of Board of General Council, Members of Board of Governors, Dean, Director, Members of Academic Council and Faculty members of the university. A total of 82 students including 67 M. Pharm. in 7 disciplines, 07 in MBA (Pharm. Management), 03 in Master in Public Health, 05 in Master in Hospital Management received the degrees.

Sh. Anil Baijal and chief guest, Prof. C.K Kokate awarded the Gold Medals, which included The Jindal Gold Medal to Ms. Rashi Patel (2015-17 Batch) and Ms. Jyoti (2016-18 Batch) and Prof. S.K

Gupta award to Mr. Amit Bansal (2015-17 Batch) and Ms. Jyoti (2016-18 Batch).

Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU welcomed Sh. Anil Baijal, Hon'ble Chancellor and Prof. Kokate, Chief Guest and presented accomplishments of the university during the convocation.

Sh. Anil Baijal, in his Presidential address appreciated the efforts of DPSRU in expanding courses and intake capacity from 500 to 1700 in the span of three years. He also congratulated the students, who had achieved degrees. Prof. C.K Kokate gave the convocation address and motivated the students.

At the end, Prof. Raman Dang, Registrar of the University purposed vote of Thanks.



The NET Pharmacy College, Raichur hosted 3rd Annual Convention of Association of Pharmaceutical Teachers of India [APTI] - Karnataka State Branch on 26th & 27th October 2018 with the theme "Role & Challenges for Pharmacy Teachers in Transforming Education into Research & Health Care" at NET Campus as a part of Silver Jubilee Celebrations of Navodaya Education Trust & NET Pharmacy College.

For the success of the event several Committees were constituted & members of the committee started working round the clock for 2 weeks. To give the detailed information about the KAAPTICON 2018 Brochures were prepared well in advance & sent to the principal, staff & students of various pharmacy colleges in Karnataka. Apart from this wide publicity was given by circulating the messages to different groups



through social media. Facility was created for online registration for Delegates and also booking accommodation. This received a good response as a result the students & staff of more than 26 colleges participated as delegates. The delegates from neighbouring states like Telangana, Andhra Pradesh, Maharashtra, etc. also registered for convention. The invitation cards were printed & sent to the Institutions, APTI Members, APTI Karnataka state members, various Industries and V.I.P's. The campus was well decorated with colourful lights, Banners, Sign boards, etc. Medical College Auditorium, Sri. S. R. Hegde Silver Jubilee Hall, AV Room of central library & NET Pharmacy college Building were used as venues for conducting the events.

On day one the inaugural function of the KAAPTICON 2018 was held on 26th October 2018 at Navodaya Medical College Auditorium. Hon'ble Vice Chancellor, RGUHS, Bengaluru, Dr. S. Sacchidanand was the chief guest, Hon'ble Chairman, Navodaya Education Trust, Sri. S. R. Reddy presided & Sri. Vishnukant Bhutada, Managing Director, Shilpa Medicare Ltd, Raichur, Sri. Gangadhar V. Yavagal, President, Karnataka state pharmacy council, Bengaluru, Dr. Raman Dang, Secretary, ATPI, Central, Sri. Rudragouda G. Patil, President, APTI-Karnataka State Branch, Dr. T. Srinivas, Registrar, Navodaya Education Trust, Raichur and Dr. H. Doddappa, Principal, NET Pharmacy College & Chairman-LOC, KAAPTICON 2018 were distinguished Dignitaries on the dias. The inaugural programme started with invocation song by Miss. Dhanya & Group. Dr. Shivraj Gouda, Secretary, LOC-KAAPTICON 2018, Welcomed the gathering. This was followed by the Release of Souvenir by the dignitaries and editorial board member. Dr. H. Doddappa introduced the Guests.



The chief guest Dr. S. Sacchidanand addressing on the occasion highlighted that there is an Increasing demand for Pharmacy Profession & Graduates due to tremendous job opportunities globally. He advised the delegates that the Pharm D graduates should prove as an important member of health care team by their hard work. He also advises them take necessary steps towards Reporting the ADR'S. Sri. S. R. Reddy in his presidential speech expressed that the pharmacy profession should feel proud because he is the only professional in India who has ventured for huge campus for Imparting education in the field of Medical, dental, Nursing, Physiotherapy, Paramedical courses & Pharmacy. All these colleges imparting specialisation in all the branches of respective courses. He also stressed that wide job opportunities are open for pharmacy graduates & students by their hard work should sincerely try for the Jobs.

Another attraction of the inaugural function of KAAPTICON 2018 was APTI-Karnataka State Branch Award Ceremony Recognising the services of Sri. S. R. Reddy for his Contributions in the development of Pharmacy Education particularly in the Hyderabad-Karnataka area. The APTI has honoured him on this occasion with title **"Inspirational & Distinctive leader in Pharmacy 2018"**. Similarly, Prof. Omkarnath S. Kamapurkar, was awarded with "Noble Contributions to the Pharmacy Profession" in Karnataka 2018. Dr. Divakar Goli was awarded with BLDEA'S bestowed Principal of the year 2018. Dr. Nitin Mahurkar was awarded with APTI-Karnataka Branch "Late Sri. Gurulingappa Gouda Patil Memorial Pharmacy Teacher of the year (above 45 years age) 2018" and Dr. Kuntal Das was awarded with "Late Sri. Mahadevappa Rampure & Smt. Taradevi Rampure Memorial Pharmacy Teacher of the year (below 45 years age) 2018".

A souvenir was released on this occasion by the dignitaries on the dias. Function ended with Vote of thanks by Mrs. Nimmy John. Miss. Adeena Balkees & Miss. Anura anchored the programme. The inaugural function was followed by three scientific sessions Namely,

Session 1: - Key Note address by Dr. Mallikarjuna Rao, Principal, Manipal college of pharmaceutical sciences, Manipal on the Topic **"Role & Challenges for Pharmacy Teachers in Transforming Education into Research & Health Care"**.

Session 2: - Dr. Adepu Ramesh, Director, Vikas College of Pharmaceutical Sciences, Suryapet, Telangana on the topic **"Clinical Pharmacy practice – A tool for better Health Care"**. The session was chaired by Dr. Bheemachari.

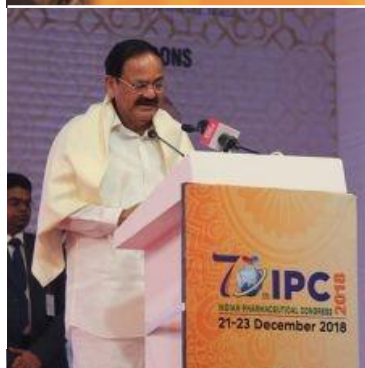
Session 3: - Dr. Indu Shankar, AGM, Procurment & Supply Chain, Sasvat Omnicare Pvt Ltd, Bengaluru on the topic **"Achieving Success in Life"**. The session was chaired by Dr. Raghavendra Kulkarni.

After the scientific sessions there was a Panel Discussion. The Panel consisted of Dr. Mallikarjuna Rao, Dr. Kranthi Kumar Sirse, Dr. Divakar Goli, Dr. Nitin Mahurkar, Dr. Akilandeswari. Dr. Mallikarjuna Rao was the Moderator. This was followed by Cultural Programme by students of N.E.T Group of Institutions. The first day ended with Dinner.

The 2nd Day, 27th October 2018, started with 3 Scientific Sessions as follows,

Session 4: - Dr. Shobarani R. Hiremath, Principal, Al-Ameen College of pharmacy, Bengaluru on the topic **"Scope of Academic Research in Pharmacy Education"**. The chairman of the session was Dr. Ashok Malpani.

Glimpses of 70th IPC Hosted by IPGA at Amity University, Delhi NCR (Dec - 21 -Dec 23)







Session 5 : - Dr. Nitin Mahurkar, Head, Dept of Pharmacology, HKE'S MTRIPS's, Kalaburgi on the topic **"Spirit of Living"**. The chairman of the session was Dr. Kranthi Kumar Sirse.

Session 6 : - Dr. Prasanna Sagar, General Manager, R & D, Gland Pharma Pvt Ltd, Hyderabad on the topic **"Academics & Industry Collaboration: Way to create Pathway for efficient Research"**. The chairman of the session was Dr. Srinivas Mutalik.

The scientific sessions were followed by Poster & Oral Presentations. About 70 Delegates participated in Poster presentation & 11 in Oral Presentation.

The Valedictory function of KAAPTICON 2018 was arranged on 27th October 2018 at 3:30 PM. Dr. T. Srinivas, Registrar, Navodaya Education Trust was chief Guest & Dr. H. Doddayya, Principal, NET Pharmacy College Presided the function. The Guest of honour present on the dias were Dr. B. Vijaya Chandra, Dr. Divakar Goli, Dr. Hemanth Kumar & Dr. Ramalinga Kotnal. Valedictory function started with invocation song by Miss. Dhanya & Group. Dr. Sarfaraz Md Welcomed the gathering. Dr. T. Srinivas speaking On the occasion highlighted that such convention will help in exchanging the thoughts & Knowledge among the delegates of the pharmacy profession. Hence NET Pharmacy college took a lead in organising this convention KAAPTICON 2018 as a part of Silver Jubilee celebrations of Navodaya Education Trust & NET Pharmacy College. Dr. H. Doddayya gave the presidential remarks. Sri. Ramesh Babu Gattu gave the Vote of Thanks. The programme was anchored by Miss. Anura & Miss. Neethu. During the valedictory function cash Prizes & Certificates were awarded to the winners of Poster & Oral Presentations function ended with National Anthem.

Four day International Conference cum workshop on "Informatics Tools in Drug Discovery and Drug Delivery (ITDDD-2018)" November 01-04, 2018 being organized by **Association of Pharmaceutical Teachers Punjab and Department of Pharmaceutical Sciences and Drug Research**, Punjabi University, Patiala was inaugurated in the **Science Auditorium of Punjabi University** Campus on 1st November, 2018.



Prof Vladimir Poriokov, Head of Department for Bioinformatics, Institute of Biomedical Chemistry, Moscow, Russia inaugurated the Conference. He delivered inaugural address on "Three Decades of PASS: Development and Applications in Drug Discovery".

Prof. B S Ghuman, Vice-Chancellor, Punjabi University, Patiala presided over the inaugural session and motivated participants through his inspirational talk. He also emphasized the need of such Conferences for updating knowledge of Pharmacy Teachers in emerging fields.

Prof G N Sastry (Chief Scientist, Indian Institute of Chemical Technology, Hyderabad), PROF RAMAN DANG (Secretary, APTI Centre), Prof. Rajesh Kumar Goel, President, APTI Punjab State Branch and Prof Gurpreet Kaur, Head, Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala emphasized the need of informatics tools in new drug discovery. Dr Rajesh Kumar Goel informed that more than 20 experts from Reputed Institutions of USA, Russia, Greece, Japan, Thailand and India deliberated on the informatics tools during three days of conference. On the last day of the event, the participating delegates were given hands on training on the use of



softwares for drug design, development and delivery by experts of Cresset, Schrödinger and Zastra Innovations. The Conference was attended by more than 200 PG Students and Research Scholars.



KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada, Andhra Pradesh has conducted a **National Workshop on "Conceptual Learning & Training on Physiological and Pharmacological Techniques"** on 3rd November 2018. This workshop was inaugurated by Sri. VSK. Chowdary, Joint Commissioner, State Taxes (GST), Government of Andhra Pradesh, Amaravati and Prof. Akula Annapurna of AU College of Pharmaceutical Sciences was the guest of honour. Dr. Chadalavada Nageswara Rao, Vice-President of Siddhartha Academy of General & Technical Education (SAGTE) has presided. Department of Pharmacology has arranged this workshop. Dr. Akula Annapurna, AU College of Pharmaceutical Sciences, Visakhapatnam has acted as mentor. During this workshop students were trained on various Physiological and Pharmacological Techniques. They Include Demonstration of structural characteristics of Various Tissues, Differential Leukocyte Count (DLC),

Spirometry, Isolated heart Experiments, Simple Muscle Twitch, Various Routes of Administration in Animal Models, Blood Collection Techniques from Animals, Various Cannulation Techniques, CCI Surgery, Isolated Tissue Experiments, Local Anesthetic Activity, Experiments with Digital Plethysmometer, Pole Climbing Apparatus, Electroconvulsimeter, Eddys Hot Plate, Isolated Rat Vasdeference Experiment, In-Vitro Absorption Studies Using Rat Everted Sac, experiments using Semi Autoanalyser, Rota Rod Apparatus and Actophotometer. Around 300 delegates from different states have attended for this workshop. Dr. Devala Rao Garikapati, Principal has supervised this workshop.



Srinivas College of Pharmacy, Valachil, observed **National Pharmacy Week 2018** from 10th to 16th November, 2018. Sri. Premanath Shenoy, President, Indian Pharmaceutical Association, Karnataka State branch, Bangalore was the chief guest of the inaugural function on 10th November, 2018.

He has advised the Pharmacy students the need to improve the awareness about the pharmacy profession and the importance of pharmacists as medicine experts.

Sri. Manohar S Shetty, Managing Director, Sai Radha Group was felicitated for his services as community pharmacist and Philanthropic activities. While speaking on this occasion Shri Shetty stressed the significance dedication, determination, hard work as the key aspects required to reach the heights in profession.

Dr. A.R. Shabaraya, Principal, Srinivas College of Pharmacy & President,

IPA, Local Branch, Mangalore in his presidential remarks exhorted the young Pharmacists, reducing the disease, disability, dissatisfaction, dysfunction and death rate so that pharmacists can build a healthy India.

Guests of honour, Shankar Naik, Asst. Drugs Controllers, Mangalore called upon to explore the possibility of students to uphold the theme for healthy India by actively participating in health awareness programmes.

Dr. E.V.S. Subrahmanyam, Professor, Srinivas College of Pharmacy & Vice President IPA welcomed the guests and highlighted the significance of observing the National Pharmacy week every year to bring awareness of pharmacy profession to the society. Ms. Keerthana & Ms. Sabtha anchored the program, Mr. Viresh K. Chandur, coordinator, proposed vote of thanks.



The **National Library Week** was celebrated at **Shri Vishnu College of Pharmacy**, Bhimavaram, from 14th November 2018 to 20th November 2018. Inaugurating the celebrations in the college Seminar Hall, at 3.30 pm Dr. K. Prasad, Principal, Shri Vishnu College of Pharmacy, Bhimavaram advised the students to improve their reading skills and spend more time in the library. He has also pointed out that **"A Book is a dream that you hold in your hand"**. On this occasion Elocution competition was conducted by Dr. M.S.R. Bapi Raju, Mr. B.Nagaraju and Mr. Y.Kranthi among the students of the college on the topic: "Higher Education is the Basic need for succeeding in life today". More than 70 students have participated in this competition. Mrs. M. Aruna Devi acted as the judge. Ms. K. Satya Soni of 2nd Pharm D emerged as the winner and Ms. L.Sravani of 4th Pharm D emerged as the runner-up.

On 16th November, Essay writing competition was held on the topic – "My Favourite Book", in which nearly 50 students participated. Dr. M. Mohan Varma and Dr. P. V. Swamy acted as the judges. Ms. V. Sai Supriya of 2nd B.Pharmacy and Ms. B.Yesaswi of 1st B.Pharmacy emerged as the winner and runner-up, respectively.

On 19th November, competition on Theme Based Design with topic – "Pharmacist" was held in which nearly 40 students participated. The faculty member Mr. K. T. Sunil Kumar acted as the judge. In this competition, Ms. K. Satya Soni of 2nd Pharm D and V. Karuna of 1st

B.Pharmacy emerged as the winner and runner-up, respectively.

On the 20th November, Valedictory function was presided over by Dr. D. Basava Raju, Director, Pharmacy Colleges, SVES. On this occasion the Director Dr. D. Basava Raju advised the students to read good books also along with their subject books to improve their general knowledge and communication skills and thereby enhancing their employment opportunities. Prizes were distributed to the winners and runners-up. Dr. M.S.R Bapi Raju proposed the Vote of Thanks.



The **Freshers' Party of DIPSAR & DPSRU 2018** was celebrated on November 16, 2018 in the **auditorium of DPSRU**. Miss Shreya Chopra (Miss India Glammonn 2017-18) was invited as the chief guest. The auditorium was beautifully decorated by Mr. Ashish (Cultural Secreatry), Miss Mahati, Miss Pooja Srivastva, Miss Divya Shukla, Miss Ankeeta Pandey and Miss Nidhi Jha. Miss Priyanka Chauhan, Miss Ishita Kathuria, Miss Tanya and Mr. Divyank were present as anchors. Mr. Uday Prakash was presented as the event photographer. The function started at 11:30 a.m. with the lamp lighting and welcome address to freshers by hon'ble Vice Chancellor Prof. R. K Goyal, followed by the motivating speech of Prof. Raman Dang, Registrar and Prof. Harvinder Popli, Dean. During inauguration the Office bearers of the student council-2018 were introduced by Dr. Rajiv Tonk (Patron, Student Council) as Manish Dagar (President), Ravi Kumar (Vice president), Ashish Kumar (Cultural Secretary), Dharmanshu (Joint Secretary), Shivani Giri (General Secretary), Rakshit (Sports Secretary) and Kanishka (Girls representative). All the elected Office members were felicitated by Miss Shreya Chopra, Hon'ble Vice Chancellor and other

dignitaries present there. Miss Shreya Chopra interacted with the students and energized the gathering with some dance moves along with faculty members and students of the university. Bilal, Praveen Chandra, Kanupriya, Shikha Tolia, Sakshi, Nikhil, Tejas, Anshul, the members of the music society-Raag, enthralled the audiences with their mesmerizing songs. Rocking dance performances were presented by Mr. Mahendra Meena, Miss Ratnesh, Miss Himanshi Walia, Mr. Lokesh, Mr. Piyush and Miss Himanshu Nautiyal. To raise the spirit of the audience, Mr. Sahil Drall performed a standup comedy. In continuation, a ramp walk was arranged by Miss Priyanka, Miss Prachi Jain, Mr. Praveen Yadav, Mr. Anmol Gupta, Mr. Rishabh Dheer, Mr. Sandeep Chand and Mr. Rahul Dwar. A heart touching poetry was recited by Miss Sakshi. Md. Shoaib was selected as Mr. Freshers' and Miss Sakshi was selected as Miss Freshers'. Mr. Rahul Saini, Mr. Anmol, Mr. Hridyanshu, Miss Shweta, Miss Sonali and Miss Sanchita were the members of the jury. The event ended with a dance session enjoyed by all the students of the university.



On the eve of **World Pneumonia Day** (12th November) & **COPD Awareness Day** (21st November), **Periyar Health Club of Periyar College of Pharmaceutical Sciences**, Tiruchirappalli organized a guest lecture on 24th November at the institution. Prof. Dr. R. Senthamarai, Principal presided over the function, Mr. K.A.S Mohammed Shafeeq, Secretary, Health Club welcomed the gathering. Dr. E.M.PR.M. Viswanathan, M.D., Assistant Professor, Dept. of Pulmonology, Chennai Medical College Hospital & Research Centre, Irungalur - 621 005, Tiruchirappalli delivered an awareness lecture on "Prevention and Management of Pneumonia and H₁N₁ Flu" by way of Power Point presentation. In his lecture, he deliberated that Pneumonia and other respiratory infections have increased dramatically worldwide in the last decade and detailed about the causes, diagnosis, and treatment of Pneumonia. He enunciated that Pneumonia can be prevented, by way of changing our life style and maintaining personal hygiene. He stressed that judicious use of antibiotic is necessary to combat pneumonia. Dr. A.M. Ismail, Emeritus Professor and Dr. G. Krishnamoorthy, Vice Principal graced the programme. Faculty & Students of the institution attended the programme and became aware of the affordable treatment and preventive

options of this deadly disease. Mrs. A. Shameem, Joint Secretary, Periyar Health Club proposed a vote of thanks



Delhi Pharmaceutical Sciences & Research University Celebrated **57th National Pharmacy Week 2018**, from 18th to 24th November at DPSRU. 57th National Pharmacy week 2018 on the theme "**Pharmacist For Healthy India**" from 18-24 November was celebrated in DPSRU along with Indian Pharmaceutical Association (IPA) - Delhi Branch.

During this week, surveys were conducted by pharmacy students from DPSRU in many pharmacy shops in different localities of New Delhi to get the basic feedback regarding the current scenario of Pharmacy profession and suggestions were asked for the betterment of pharmaceutical society to develop a healthy nation.

Students engaging activities such as e-Poster, e-essay, e-Slogan on the theme of "Pharmacist For Healthy India" were invited by university in which students participated with enthusiasm and zeal. e-Poster, e-Essay, e-Slogan on the theme of " Pharmacist For Healthy India" were invited and students from different institutions participated with enthusiasm and zeal. The 3 best posters, two slogans and one essay were selected for award.

The events were coordinated by Dr Sushama Talegaonkar, Associate Professor, DPSRU (EC member of IPA Delhi branch). Mr Sameer Ahuja and Dr Sidharth, Executive council members, Delhi IPA branch, were also present during celebration.



As per the call given by **Indian Pharmaceutical Association (IPA)** Mumbai, the **57th National Pharmacy Week (NPW)** celebrations were conducted at Kommareddy Venkata Sadasiva Rao Siddhartha College of Pharmaceutical Sciences, Vijayawada from 18th -24th November 2018 with a theme **"Pharmacists for a Healthy India"**. The celebrations were inaugurated on 18th November 2018 by Sri T Rajendra Reddy, Joint Chief Environmental Engineer (JCEE), AP Pollution Control Board (APPCB), Amaravati. He has also inaugurated the Scientific and Medicinal Posters Exhibition of III Year students of B.Pharm and Pharm.D Courses. Around 120 students of both the courses have exhibited posters ranging From Drug Discovery, Natural Drugs, Latest Therapeutics NDDS and Innovations in Biotechnology. Sri. Perla Bhima Rao, Sri. Yalamanchili Ram Mohan Rao and Sri Ramineni Rajeswara Rao of SAGTE and Convener Committee members of the college graced the occasion. Dr B Madhusudhana Rao, Joint Chief Environmental Engineer (JCEE), AP Pollution Control Board (APPCB), Zonal Office, Vijayawada was the distinguished guest. Principal, Dr. Devala Rao Garikapati has presided the inaugural function. The following is the activity details of NPW-2018

- 57th NPW and Scientific Posters Exhibition inaugurated by Sri T Rajendra Reddy, Joint Chief Environmental Engineer (JCEE), AP Pollution Control Board (APPCB), Amaravati.
- Essay Writing, Quiz and Elocution Competitions were conducted for students on the theme. Totally 64 students participated.
- All the students visited the Posters Exhibition in a batch wise manner. Art Exhibition and awareness programme for school Children. Simultaneously, the posters were evaluated by our faculty.



- "Guess The Drug" Programme was conducted
- Pharma rally was Organised with 300 students.
- Awareness Programme was conducted for College Students and Druggists.
- A Skit by III Pharm.D students on safe use of medicines. Valedictory with gracious presence of Sri. Perla Bhima Rao, Member of Management.

The week long programmes were Co- Ordinated by Dr. N. Kanaka Durga Devi, Associate Professor. The 57th NPW -2018 Celebrations are widely covered in the local electronic and print media and has created lot of awareness on this year's theme "Pharmacists for a Healthy India".



The **57th National Pharmacy Week** Celebrations 2018 by **Vignan Pharmacy College** was commenced from 19th November, 2018 with the theme **"Pharmacists for a healthy India"**. The celebration was inaugurated by the chief guest N. Ramamoorthi, Registrar, Rtd. Assistant Director, Drugs control administration, Govt. of AP, in his address he expressed that pharmacists play vital role in educating the society about safety of medications, any minor negligence of pharmacist will affect the health and life of the patient. He also stressed the need of pharmacists in active participation of community services. The principal, Dr. P. Srinivasa Babu in his message highlighted the role of future pharmacists in achieving a healthy India. As a part of celebration, wellness camp was organized at Ramesh hospitals, Guntur and awareness procession from campus to DVC hospital and research centre, Vadlamudi. The chief guest flagged off the procession and was led by faculty members and students to create

the awareness among the public about the pharmacy profession and role of pharmacist in healthcare. Vignan group of institutions Chairman Dr. Lavu Rathaiah, Vice-Chairman, Sri. Lavu Srikrishnadevarayulu conveyed their regards to the faculty and students on the occasion.



Trichy Nov. 23: A Pharma Rally was organized by **Periyar College of Pharmaceutical Sciences** in commemoration of the **57th National Pharmacy Week** being celebrated throughout the country. Around 500 students of PCPS took out a Rally in the city to create awareness among the public regarding health and the role of Pharmacist in the community. 57th Pharmacy Week Celebrations is organized with the theme **"Pharmacist for Healthy India."** During the Rally Prof. Dr. R. Senthamarai, Principal welcomed the guests and mentioned about the significance of Pharmacy Week Celebrations and the importance to the public highlighting the responsible use of medications and management of diseases. The Rally was flagged off by Prof. Dr. S.A. Dhanaraj, Registrar, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur. The Chief Guest highlighted the importance of Pharmacy profession and the role of Pharmacist for Healthy India and Prevention & Management of various diseases thereby improving the Community Health. Prof Dr. A.M. Ismail, Professor Emeritus and Prof. Dr. G. Krishnamoorthy, Vice Principal of the college offered felicitations during the programme. Vote of thanks was proposed by Mr. K. Sakthivel, Head i/c, Dept. of Pharmacy Practice. The Rally started from K.K.Nagar Bus Terminus and culminated at the Periyar Statue in Periyar Centenary Educational Complex. The placards containing messages were carried by students who raised slogans to create awareness. The event of Pharma Rally being conducted by Periyar College of Pharmaceutical Sciences annually for the past several years with the theme specified by Indian Pharmaceutical Association, New Delhi.

As a part of **National Pharmacy Week 2018** (Theme: Pharmacists for a Healthy India), **Shri Vishnu College of Pharmacy** (Autonomous) Bhimavaram and **Indian Pharmaceutical Association Bhimavaram Branch** have organized inter college competitions on 24th November 2018. Registrations were invited through online for various events like



pharma quiz, compounding, snake & ladder and life science model exhibition.

More than 150 teams across the country covering AP, Telangana, Orissa and Maharashtra were registered for quiz. The prelims were conducted online on 21st November, 2018 and the top 12 teams were invited for finals at college.

More than 60 participants from different colleges participated in the competitions on the event day. The Director Dr.D.Basava Raju, Principal Dr.K.Prasad and Dr.Kumar VS Nemmani (Director, Research and Projects, SVCP) enlightened gathering about the theme of this year's Pharmacy Week.

Teams from KVSR Siddhartha college of Pharmacy won second prize in the quiz & snake ladder game whereas teams of SVCP bagged first prize. KGRL college of Pharmacy team bagged first prize in compounding whereas the team of SVCP won second prize. Mementos were presented to the winners and certificates to all the participants. Principals & faculty members of SVCP and other colleges attended the event.

H. K. College of Pharmacy, Jogehwari (W), Mumbai, successfully organized Industry Sponsored, ISTE Recognized, **One-week Faculty Development Program "New Paradigm in Pharmaceutical Education and Research"** from 26th November to 1st December 2018.

Faculty from various Pharmacy colleges such as Principal K. M. Kundnani College of Pharmacy, Mumbai, Dr. Bhanuben Nanavati College of Pharmacy, Mumbai; MET's Institute of Pharmacy, Mumbai; Oriental College of Pharmacy, Navi Mumbai; Viva Institute of Pharmacy, Virar;



Bharati Vidyapeeth College of Pharmacy, Navi Mumbai; Anjuman-I-Islam's Kalsekar Technical Campus, School of Pharmacy, Navi Mumbai; St John College of Pharmacy, Palghar; Ideal College, Kalyan; and H. K. College of Pharmacy participated in the event.

Industry experts, senior academicians shared their expertise with the delegates. The program included lectures and demonstration/ hands on training of different analytical instruments by the industry experts. The topics were selected based upon the recent development in pharmacy education and research. Core subjects like pharmaceuticals, pharmaceutical analysis, pharmaceutical chemistry, pharmacology and pharmacognosy were discussed.

Scientific and technical sessions encompassed topics like 'Innovative methods of teaching in 21st century' by Prof. (Dr.) Vinaykumar S. Velingkar (Technical Director, H.K. College of Pharmacy); 'Managing Technology and Innovations' by Dr. (Mrs.) Anubha Khale (Principal, H.K. College of Pharmacy); 'ICT enhanced teaching learning through animation' by Dr. Anwar Shaikh (H.O.D. Pharmaceutical Chemistry, Allana College of Pharmacy, Pune); 'Insight to modalities for commercialization through case studies' by Dr. Deepak Magar (Head Techno-commercial Pharma, Speciality Ingredients, Mumbai); 'Tools for physicochemical characterization' by Mr. Vilas Bendre (Director, Sales and Operations Surface Measurement Systems, Mumbai, India) and Team; 'Advances in spectroscopic techniques and microwave technology' by Mr. Nitin Kulkarni (General Manager- CEM Products, Labindia Analytical Instruments Pvt Ltd.) and Team; 'Advances in chromatography' by Mr. Prakash Mohanty (Senior Marketing Manager, Waters India Pvt. Ltd., Mumbai, India) and Team; 'Dissolution theory,

best practices and new era of dissolution' by Mr. Satish Kakodkar (Regional International Director- South Asia Teledyne Hanson Research) and Team; 'Work Life Balance' by Mr. Ram Shelat (Associate Professor, SPPTM NMIMS, Mumbai) and 'Stress Management' by Mr. Tamojit Ghosh Roy (Director, H K Institute of Management Studies & Research).

All the delegates were benefitted with the thought-provoking and interactive lectures of the expert speakers and their demonstrations. All the queries were also satisfactorily addressed.



On the eve of **World AIDS Day**, **Periyar Health Club of Periyar College of Pharmaceutical Sciences**, Tiruchirappalli organized a guest lecture on 1st December 2018 at the institution. Prof. Dr. R. Senthamarai, Principal Presided the gathering. Mr. K.A.S. Mohammed Shafeeq, Secretary Health Club proposed welcome address. Dr. P. Anupriya, M.D., Asst. Prof. of Microbiology, Trichy SRM Medical College Hospital & Research Centre, Irungalur, Tiruchirappalli – 105 delivered awareness speech. In her speech she proclaimed that many tend to reject people living with HIV/AIDS (PLHIV) because of their misconceptions about how it is transmitted. Early detection and treatment is therefore vital in delaying the onset of AIDS and strengthening the immune system. With a better understanding of transmission modes and treatment options, it is possible to increase accepting attitudes towards PLHIV. In her lecture she deliberated on the various causes and symptoms of AIDS. She added that World AIDS Day, designated on December 1 every year since 1988, is dedicated in raising awareness of the AIDS pandemic caused by the spread of HIV infection, and mourning those who have died of the disease. She raised awareness currently available methods which can prevent the transfer of HIV virus, and even slow down its malicious effects before they become fatal. She also stressed on the precautionary measures taken to avoid getting infected. Dr. A.M. Ismail, Emeritus Professor and Dr. G. Krishnamoorthy, Vice Principal graced the programme. Mrs. A. Shameem, Joint Secretary, Periyar Health Club proposed Vote of thanks.



Narayana Pharmacy College organized an awareness programme on hand wash and sanitation at **SNR ZP High School**, Totapalli Gudur, Nellore district on the eve of **National Hand wash Awareness Week Celebrations** from December 2-8, 2018. Pharm. D students actively participated in the programme and demonstrated 7 hand washing steps to high school students through posters and charts. The students actively interacted with the college students and faculty. "Our Health is in our Hands", said Principal Dr. K. Harinadha Baba. He revealed the importance of hand wash to kill microorganisms and highlighted the significance of disinfectant soaps and sanitizers to prevent contagious diseases. Later disinfectant soaps were distributed to the school children. Pharm. D HOD Dr. P. Yanadaiah, faculty members Dr. K. Arun Chand Roby, Ms. A V S Gita Samira, ZP High School Headmistress Mrs. Padmaja graced the occasion.



G. Pulla Reddy College of Pharmacy, Mehdiapatnam, Hyderabad, Telangana State in association with **International Alliance of Patients' Organizations** (IAPO), United Kingdom (UK) celebrated the "Patient

Solidarity Day – 7th December 2018". The theme of the Patient Solidarity Day is **"Safe Medication and Healthcare for All"**.

Dr. Uday Venkat Mateti, Asst. Professor welcomed the gathering and also highlighted the importance of Patient Solidarity Day. Dr. B. Madhava Reddy, Principal addressed the gathering about the Rational Use of Medication and the importance of Pharmacokinetic and Pharmacodynamic parameters in selection of drug therapy.

Dr. Mustafa Afzal, Head, Dept. of Clinical Microbiology & Infectious Diseases and NABH Assessor, Care Hospital, Nampally, Hyderabad delivered the Guest Lecture on "Role of Clinical Pharmacist in Antibiotic Stewardship and Basic Concepts of Infection Control". In his talk he highlighted the Timeline leading to Antimicrobial Stewardship, Purpose of Antimicrobial Stewardship Program, Antimicrobial Stewardship Core Strategies/Techniques, and also the role of Clinical Pharmacist in Clinical Audit, Pharmacy Therapeutic Committee and Infection Control. Followed by the Guest Lecture, a rally was conducted on the theme of Patient Safety and Patient Rights with Placards around 1.5 km in the Mehdiapatnam, Hyderabad. More than 120 students and staff were participated in the rally.

RVS College of Pharmaceutical Sciences established by our beloved Chairman Dr. K V Kuppusamy in 1993 celebrated its **Silver Jubilee** on 12th December 2018 at college Auditorium "The KALAM HALL" with great enthusiasm.

The RVS Team and the management led by Dr. Senthil Ganesh and Smt. Srividya Lakshmi Ganesh were showered with high laurels by one and all.

Dr. B Suresh, President, Pharmacy Council of India was the Chief Guest and he inaugurated the function with lighting the holy kuthuvilakku (lamp) and giving the Chief Guest address, motivating the management and encouraged them for innovation oriented contribution.

Professor K Chinnasamy, President, The Tamil Nadu State Pharmacy Council and Dr. B Jaykar, Registrar, Vinayaka Mission's University, Salem were present as the Guest of Honors on the auspicious day. They shared their professional experience with our students and faculty.

S.M.B.T. College Pharmacy, Dhamangaon, Dist. Nashik hosted the Savitribai Phule Pune University, Pune sponsored **Two days National Level Seminar** on 14th & 15th Dec. 2018 on **"Innovative Pedagogy and Effective Teaching Learning Process"**.

The National Seminar was inaugurated by Dr. N.K. Vashist, Dean S.M.B.T. Institute of Medical Sciences & Research Centre, Dhamangaon, Nashik and function was presided by Dr. P.R. Bhabad,



Principal, SMBT College of Ayurveda and Hospital, Dhamangaon, and Dr. Y.V. Ushir, SMBT Institute of Pharmacy, Dhamangaon. Principal Dr. A.S. Dhake welcomed the delegates and Dr. S.K. Bhosale, Director of Seminar, elaborated on the theme of the seminar.

On first day Dr. Amit S. Naik, Associate Professor, SMBT IMSRC, Dhamangaon delivered session I on "Pedagogy V/s Androgogy. How to conduct a lecture more effectively". Second session was delivered by Dr. Shankar Laxman Laware, Principal and Professor, Mula Education Society's Arts, Commerce and Science College, Sonai, Ahmednagar on the topic- "Teaching Pedagogy for students in life sciences". Third lecture was delivered by Ms. Vandana Manwani, Senior Management Professional and Leadership Coach, Pune on the topic- "Capacity building of teachers from philosophical, Social and psychological perspective". Fourth lecture was delivered by Dr. Nirmala V. Shinde, Associate Professor, SMBT COP, Dhamangaon on the topic- "Effective Teaching Learning Process in view of NBA and NAAC".

On Second day Fifth lecture was delivered by Dr. Raja D. Pechimuthu, Associate Professor, V. O. Chidambaranar Medical College, Tamilnadu on the topic- "Qualities of Good Teacher". Sixth lecture was delivered by Dr. (Ms.) Anupama Gupta, Professor, Department of Pathology, MGIMS, Sevagram on topic of Effective measurement and evaluation techniques in continuous and comprehensive evaluation. Seventh lecture was delivered by Dr. Amit Khairnar, Associate Professor, National Institute of pharmaceutical Education and Research (NIPER), Ahmedabad on the topic - "Innovative methods in teaching : Keeping hold on old methods of learning". Eight lecture was delivered by Dr.

Shreenivas Deshpande, Professor, HSK College of Pharmacy, Bagalkot, Karnataka on the topic – "Strategies for Effective Teaching learning In Higher Education".

Total 85 delegates participated from different Universities & other states and faculty from different disciplines like Engineering, B.Ed., Polytechnic, D. Pharm, MBBS, BDS, BAMS. The Seminar was conducted with Valedictory function in presence of guests Dr. Shreenivas Deshpande and Dr. Amit Khairnar and Vote of thanks by Dr. S.K. Bhosale. The seminar was successfully conducted by organizing committee members Dr. M.R. Kumbhare, Dr. A.R. Surana, Mr. P.R. Dighe, Ms. H. I. Narkhede, Mr. P.B. Ghogare, Ms. S.V. Lambe, Ms. K. M. Khedkar, Mr. S.B. Dhikale and all supporting staff.



The Department of Pharmacy Practice, **St Johns College of Pharmaceutical Sciences** in association with **Indian Pharmaceutical Association (IPA)** – Hospital Pharmacy Division organized an **One Day National Conference on "Evidence Based Clinical Decision Making Approaches for Pharmacists"** on December 29, 2018 (Saturday) at St Johns College of Pharmaceutical Sciences, Yemmiganur, Kurnool, Andhra Pradesh., India with a focus on developing systematic approaches to integrate high quality literatures and research evidences with clinical expertise and patient values for clinical decision making. The conference drew nearly 200 delegates in and around the region. The conference was chaired by Prof. Dr. C. Kishtayya (Principal - St Johns College of Pharmaceutical Sciences); Dr. Mohanraj Rathinavelu (Associate Professor, Department of Pharmacy Practice-Raghavendra Institute of Pharmaceutical Education and Research RIPER and Executive Member IPA Hospital Pharmacy Division/President Elect ISPOR India Andhra Pradesh Regional Chapter) was the Special Guest and Resource Person, who delivered a topic on "Integration of Evidence Based Medicine (EBM) in Pharmacotherapeutic Decision Making for Pharmacists" and Dr. Karthik Rakam (Associate Director-Tychee Innovations, Hyderabad, Telangana) was the another Invited Guest and Resource Person, who delivered a topic on "Case Analysis in Pharmacotherapeutic Clinical Decision Making"; the Conference was Co-chaired by the management members of St. Johns Group of

Institutions and Dr. C. Madhusudhan Chetty (Professor and Principal, Santhiram College of Pharmacy, Nandyal).



The **Krishna IPA Gudlavalleru Local branch** was inaugurated on 28th December, 2018 at **V. V. Institute of Pharmaceutical Sciences**, Gudlavalleru. The association was inaugurated by Dr. T.V. Narayana, President, IPA, India, Dr. P. Rajeswara Rao, President, IPA, AP State Branch, Dr. S. Vidyadhara, Chairman, Education Division, IPA, Dr. Rao V.S.V Vadlamudi, President, Commonwealth Pharmacist Association, Dr. K. Venkata Ramana, CEC member, IPA, Dr. M. Prasad Rao, Secretary, IPA, AP State Branch and Dr. P. Srinivas Babu, Vice-President, IPA AP State Branch. The president of IPA Gudlavalleru local branch Dr. A. Lakshmana Rao, Principal, V.V.Institute of Pharmaceutical Sciences(VVIPS) addressed the gathering. As a part of induction the Student Forum was established with 3 mentors and 11 students to carry out the activities of IPA.

IPA President Dr. T.V. Narayana outlined the various divisions and objectives of IPA. The main motto of IPA is to focus on the image of pharmacist and to encourage the students to bring out their talent. He described that the Pharmacy profession is placed 4th position among the first 10 professions. Addressing the students the Chief guest Dr. T.V.Narayana said that Sincerity, Honesty and Patience in learning are the successful steps for a remarkable victory. He announced the IPA Gudlavalleru local branch adhoc committee members. The members IPA Gudlavalleru local branch were Dr. A. Lakshmana Rao, President, Dr. A. Ravi Kumar, Vice-President, Dr. P. Bhargava Bhushan Rao, Hon.



Secretary, Mr. K. Srikanth Kumar, Hon.Treasurer, Dr. Peda S.R.CH.N.P. Varma D, Council Member-1, Dr. K. Narendra Kumar Reddy, Council Member-2 and Dr. D. Sharmila, Council Member-3.

IPA Education Division Chairman, Dr. S. Vidyadhara instructed the students to concentrate on new trends in pharmacy profession and should increase the intensity in research areas. He introduced the student forum members.

Commonwealth Pharmacist Association President, Dr. Rao V.S.V Vadlamudi speaking on this occasion stated that IPA provides a platform for development of the pharmacy profession and helps to recognize the pharmacist's service globally. As the pharmacists are health care providers, they not only dispense the quality medicines but also provide the quality service.

IPA AP State Branch President, Dr. P. Rajeswara Rao advised the students to become responsible pharmacists in society and qualities like good practice, positivity in thinking and analyzing a problem will support to uplift the position in future.

The program was curtain downed with vote of thanks and concluded with photo session.

Guntur, Lam: Dr.Rama Rao Nadendla, principal, **Chalapathi Institute of Pharmaceutical Sciences** (CLPT) conveyed that on 31st December 2018, **Academic Excellence Awards function** was conducted 2017-18. The dignitaries graced the occasion were Dr. R. Jagadeesh Babu, CEO, Biophore India Pharmaceuticals Pvt.Ltd., India,



Dr.M.V.Ramana, principal, GBN Institute of Pharmaceutical sciences and Member of Pharmacy Council of India, Sri. Y.V. Anjaneyulu, president, Chalapathi Educational Society, Guntur, Sri. Y. Sujith, secretary, CES, Guntur and Dr. Rama Rao Nadendla, principal, were present. In this award function, A total of worth reward of Rs.3,42,000/- were given to faculty and students who excelled in the courses B. Pharmacy, M. Pharmacy, Pharm.D and Ph.D in pharmacy. In addition, CLPT News Letter (May –August) 2018 was released by the dignitaries. The awards include best faculty research award to Sri. N.V.Rama Rao, Dr. S.S. Mani Kiran and Mr. G. Madhu; best library utilization award to Mr. J. Venkateswara Rao, Best eco-friendly award to Mr. Y. Vishnu Vardhan of B. Pharmacy, best research award to M.Siva Naga Jyothi ; Sri. R. Prasada Rao memorial award to Ms.M.Lakshmi Swapna Sai; Sri R. Jagadish babu award to Ms.G.Madhulatha, Ms. K. Pravallika, R. Nagalekhini; Sri. Abburi Memmorial award to Ms. R.B.R. Deepika, Sri.Y. Sitharamaiah Memorial award to Ms. SK. Sahera Raksha, Ms. K. Sasi Kala and students who scored highest marks were viz., Ms. B.Hema Kinnera, Mr.M.Sudheer, Ms. M. Swapna, Ms. K. Naga swathisri, Ms.R.Bhavya Raga Deepika, Mr. V. Madhu Sudharshan and Ms. K. Chandra Lekha rewarded respectively. Followed by the dignitaries, staff and students felicitated Dr.R. Jagadish babu garu and Dr. M.V. Ramana as well.

On 8th December 2018, department of pharmaceutics in association with CLPT alumni association of CLPT organized one day DBT sponsored National workshop "Foldscope: Magnifying Science. The dignitaries graced the occasion were chief guest Dr. V.Siva Prabodh,



professor, HOD, department of biochemistry, NRI Medical College, Chinakakani; Dr. Anantha Tulasi, professor, department of zoology, Govt. Women's college (A), Guntur; Dr.B.Nirmala Grace, associate professor, Guntur Medical College, Guntur, Sri.Y.V.Anjaneyulu, president, Chalapathi Educational Society, Guntur; Dr.Rama Rao Nadendla, principal; Dr.S.T.V.Raghavamma, associate professor, department of pharmaceutics were graced the occasion. A total of 156 delegates from 10 colleges and 5 Universities were actively participated. The motive was to demonstrate most portable, economical, durable paper microscope i.e, foldscope to the participants. Extensively applicable to diagnostic tool and clinical examination of parasites and other interested specimen.



Shri Vishnu College of Pharmacy, Bhimavaram, Andhra Pradesh has organised an International Seminar on "Advances in Clinical Pharmacy Services" and Workshop on "Anticoagulation Clinics" on 13 – 14 December 2018.

Delegates from different Institutions including University of Findlay, USA



th have participated in this two day event. On 13 December 2018, the invited Speakers for the event Prof. M. Chandra Sekar (University of Findlay, Ohio, USA) delivered a message on "The Challenges and Opportunities for Pharmacy Practitioners in India". Following his talk, another speaker Mr. Satheesh Gottipati (Dean, Vignan Pharmacy college, Guntur) has given a comprehensive insight on "Medication Therapy Management". Dr. Scott Gier (Director of Pharmacy, Wyandot Memorial Hospital, Ohio, USA) has spoken on the Role of Pharmacist in US scenario. He also conducted workshop on Anticoagulation clinics through case studies and provided hands on training to the delegates on INR (International Normalized Ratio) monitoring device. Mr. Daniel Hannig, Pharm D Intern from University of Findlay had delivered a talk on "Impact of Clinical Pharmacist".

On day two, SVCP has conducted e-poster presentation and Quiz Competition for the Student delegates. The Best e-posters in both Pharmacy Practice and Non Pharmacy Practice areas were identified and were presented First and Second Prizes. A total of Six teams have participated in Clinical Pharmacy Practice Quiz of five rounds and two teams were declared winners and runners.

The Director Dr.D. Basava Raju, Principal Dr. K.Prasad and Dr. Kumar VS Nemmani (Director, Research and Projects, SVCP) enlightened gathering about the increasing impact of Clinical Pharmacy services on the nation's health. Vote of thanks proposed by Mr. S.Anil Kumar. Mr. Sri Prasad Raju, Admin Director SVES, Bhimavaram graced the event.

57th National Pharmacy Week celebrations were held at Narayana Pharmacy College from 18- 24 November 2018. The inaugural function was graced by the college Principal Dr. K. Harinadha Baba and Dr. Chakka Gopinath, Principal, OTRI, JNTUA, Anantapur as chief guest. Dr.Gopinath emphasized on the theme of the year- "Pharmacists for a Healthy India" and also stressed on antibiotic resistance. Later a lecture on Antibiotic Resistance was delivered by Dr. P. Yanadaiah and Dr. K. Arun Chand Roby. Students actively participated in several competitions including pharma quiz, essay writing, elocution and debate.

An awareness rally by the students was held on 24 December carrying



placards with slogans on the rational use of medicine motivating general public on hygiene, sanitation, use of drugs with the support of "Pharmacists- The Drug Experts". The celebrations concluded with a valedictory note by Dr. V. ChandraSekhar, Professor and Head, Department of Community Medicine, Narayana Medical College and Hospital, Nellore. Vice-principal Dr. Sk. Karimulla, Pharmaceutics HOD Dr. S. Sujatha, faculty members and students made the event glorious and successful.

10h November 2018



A walk against drug abuse was organized by the Ministry of Youth Empowerment and Sports, Government of Karnataka in association with Bangalore City Police at St. Joseph's Indian High School ground opposite to UB city, Bengaluru. 180 students accompanied by the staff members from **Krupanidhi College of Pharmacy** participated in the walk against drug abuse to create awareness amongst the public of Bengaluru. The incidence of drug abuse among children and adolescents is higher than the general population. This is notably because youth is a time for experimentation and identity forming.

Dr. A. Sanjeeva Kumar

currently working as Associate Professor, Department of Pharmacognosy, Dr. K.V. Subba Reddy Institute of Pharmacy, Kurnool, Andhra Pradesh has been awarded the **Degree of Doctor of Philosophy (Ph.D.)** in the faculty of Pharmaceutical Sciences, Jawaharlal Nehru Technological University Hyderabad (JNTUH) on 6 December 2018 for his research

work entitled "**Pharmacognostic, phytochemical and pharmacological studies on some unexplored Indian medicinal plants**". The research work was carried out under the guidance of Dr. J. Ravindra Reddy, Professor and vice principal, RIPER, Anantapuramu, A.P., and Co-Supervision of Dr. V. Rama Mohan Gupta, Professor and Principal, Pulla

Ph.D AWARDEES

Reddy Institute of Pharmacy, Medak District, Telangana. Dr. A. Sanjeeva Kumar has 8 years of teaching and research experience and published more than 18 papers in National and International Journals. He carried out his research work at Centre for Pharmaceutical Research (CPR), Raghavendra Institute of Pharmaceutical Education and Research, Anantapuramu, A.P. He presented his research findings in five National and International conferences.



Mr. Anuj Modi, Associate Professor in Pharmacognosy at ADINA Institute of Pharmaceutical Science, Sagar (M.P.) has been awarded the **Degree of Doctor of Philosophy (Ph.D.)** in Pharmacy by Nirma University, Ahmedabad, Gujarat for his research work entitled **"Investigation on Hepatoprotective Activity of Some Herbal Plants"**.

The Ph. D. research work was carried out under the guidance of Prof. (Dr.) Vimal Kumar, Associate Dean, Pharmacy, Gujarat Technological University and Principal, ITM School of Pharmacy, ITM Universe, Vadodara (Gujarat).



Dr. N. Delhiraj, working as Professor in the department of Pharmaceutical Analysis, Surya School of Pharmacy, Vikravandi, Villupuram, Tamilnadu has been awarded the degree of **Doctor of Philosophy (Ph.D.)** in Pharmacy by Acharya Nagarjuna University, Andhra Pradesh in the month of September, 2016. He has carried out research work entitled **"Analytical method development and forced degradation studies for**

antihypertensive drugs in Pharmaceutical dosage forms and biological fluids" under the guidance of Prof. Dr. S. Anbazhagan, Principal, Surya School of Pharmacy, Vikravandi, Villupuram, Tamilnadu. He has almost 13 years of teaching, research and industrial experience and guided 15 students of M.Pharm for their dissertation work. He has published more than 35 research papers in various indexed, peer-reviewed national and international journals. He has attended and presented several papers in national and international seminars and conferences. He is a life member of Association of Pharmacy Teachers of India (AP/LM-1144) and

Indian pharmaceutical Association. He deeply acknowledge to his research guide, family members, Principal, staff colleagues, friends and management for their motivation, kind support and co-operation.

KUDOS



Dr. Sushil K. Kashaw, Assistant Professor, Department of Pharmaceutical Sciences, Dr. H.S Gour Central University, Sagar has attended the **78 World Congress of Pharmacy and Pharmaceutical Science** at Glasgow, UK between 02-06, September 2018. Dr. Kashaw presented his work entitled. He is thankful to the DBT, New Delhi and MPCOST, Bhopal for financial support.



National Award:- It is a moment of pride for **Prof. Nirav soni** from A-one Pharmacy college for qualifying amongst TOP 50 SMART Education Projects in India for "Pharmaceutical Research", **STATE OF INCLUSION - SKOCH Summit | 51st Edition**, Constitution Club of India, New Delhi. He has been selected best oral presentation for innovative pharmaceutical research project. The award was given under science and medical as well as paramedical science and pharmaceutical science as well as government projects and various disciplines. The participants were present different institutes and national laboratories, like AIIMS, PCI etc. He was conferred with a momentum of the award.

Young Scientist Award:- It is a moment of pride for **Prof. Nirav Soni**, of (Quality Assurance Department (QA), secured "**Young Scientist**" at **Hydrabad, Education Expo TV**, organized by the EET CRS Research wing for Excellence in Professional Education & Industry presents 3 South Asian Education Award-18. The award was given under Science and Medical and Pharmaceutical Science discipline. The participants were present different institutes and National laboratories, like ICAR, DRDO . He was conferred with a trophy of the award.

National Award:- Young Faculty Award:- It is a moment of pride for **Prof. Nirav Soni**, of (Quality Assurance Department (QA), secured "**TOP-25 LIST AWARD-2018, Young Faculty** " at **Hydrabad, Education Expo TV**, organized by the EET CRS Research wing for Excellence in Professional Education & Industry presents 3rd South Asian Education Award-18. The award was given under Science and Medical and Pharmaceutical Science discipline. The participants were present different institutes and National laboratories, like ICAR, DRDO . He was conferred with a trophy of the award.

Plenary Speaker:- Mr. Nirav Soni has participated as speaker in the **oral presentation** at Bangalore healthcare summit-2018 on the 2nd World Cancer Congress-2018 held on 25th and 26th of September 2018 at Bangalore. The theme for this year's conference is "Cancer in a New Way: Innovation, Prevention, Diagnosis and Cure" organized by raytheon health care in 2nd World Congress on Drug Discovery and Development - 2018 . He got plenary speaker memento and certificate all among the national and international speaker. The participants were present different national as well as international institutes and national laboratories like CSIR, AFRI, GMCF. He was conferred with a trophy of the award and certificate.



Dr. Mahaveer Dholi, visited **World's First Pharmacy University**, China Pharmaceutical University (CPU), Nanjing, China. He met Prof. Ling-Yi Kong, Vice President, CPU.

Prof. Kong has extended the invitation to Hon. Vice Chancellor Prof.

Ramesh Goyal, DPSRU for guest lecture and have the MoU for collaboration with First Pharmacy University of India, DPSRU.

Dr. Mahaveer Dholi, also participated in the "4th Hunan International Forum on Biomedicine and TCM" as the invited speaker at Changsha, China. The conference was attended by delegates from different countries like India, China, USA, Canada, Thailand, Pakistan, Philippines, Cambodia etc. with 25 invited expert lectures and about 100 presentations by the scientists and scholars.

A MoU was also signed during the conference between DPSRU University, India and Hunan University of Chinese Medicine, Changsha, China.



The students of **Annamacharya College of Pharmacy** attended and presented paper presentation in **National Conference** held at S. V. University, Tirupati, entitled "**The current and future prospects of animal physiology and biotechnology in disease control in the era of interdisciplinary Ethanopharmacology : APBDCE-2018**".

A. Udaya of II. M. Pharmacy, presented a research paper titled " Effect of Sesame oil lignin's on NAF Induced Oxidative Stress in Rat Heart" and won Second Prize and T. Jyothsna presented a research paper on " Protective Role of Medicinal Properties in Shankapushpi plant in Oxidative Stress in Rats" and appreciated by Third Prize. Both the students were appreciated by Vice-chairman, Sri. C. Yella Reddy and Principal, Dr. D. Swarnalatha and Research coordinator, Dr. T.S.M. Saleem.

The Secretary, Sri.C. Gangi Reddy, Treasurer & executive director, Sri. C. Abhishek Reddy, Chairman, Dr C Ramachandra Reddy said the students studying NBA and NAAC accredited institution like Annamacharya College of Pharmacy can be assured that they will receive a quality education and they would become a very good citizen with good morals.

Prof. Javed Ali of Department of Pharmaceutics, School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi received INSA Teachers Award on Dec. 28, 2018 at Physical



Research Laboratory Ahmedabad in INSA AGM Award ceremony. The award carries a scroll, a cash award of Rs. 50,000/- and a book grant of Rs. 20,000/-. The INSA Teachers Award was instituted in 2012 to recognize and value excellence, consistency and high level teaching in Indian Colleges, Universities and Institutions.

The award was made annually to recognize and honour teachers for providing guidance, inspiration and mentoring students to take up careers in Science and Technology. Prof. Ali has a total experience of 22 years in teaching and research. He has been bestowed with several honours, a few of them worth mentioning are: The 1994 Indian Pharmaceutical Association Medal, 2003 Career award for young Teachers by All India Council of Technical Education, 2004 Young Pharmacy Teacher by Association of Pharmacy Teachers of India, 2005 BOYSCAST Fellowship of Department of Science and Technology, 2007 American Association of Indian Pharmaceutical Scientists (AAIPS) –IPA Distinguished Educator and Researcher Award at San Diego, USA. 2014 Research Award by UGC for his outstanding teaching methodology and research outputs. Prof. Ali has received many research grants. He is supervising scientific research of the post-graduation and the doctoral level. He has guided/under guidance about 67 theses of M. Pharm. and 41 theses of Ph. D. He has written several textbooks and has contributed several chapters in books on Controlled and Novel Drug Delivery Systems of Indian and International Publisher. He has a list of more than 290 manuscripts in journals of repute and five Indian Patent granted/applied. He has H- index of 49, i10 of 159 and more than 10500 citations to his credit as per Google Scholar. He is also in-charge of IP Management cell of Jamia Hamdard. He has also worked as paper coordinator of UGC e-pathshala project for two papers of Pharmaceutical Sciences. He is a member/Life member of 20 Indian and international scientific organizations including IPA, IHPA, IPGA, APTI etc.

Nagpur- **Prof. Anant Hardas**, Founder Director of Indian Pharma Guidance Academy, Madhav Nagar, Nagpur has been conferred with **Global Nagpur First Award 2018**, for spreading the message of Indian Pharmacy Achievements in the abroad. Prof. Hardas received this award in education category, among 400 selected contestants. His slide show presentation on Indian Pharmacy Profession has been recognised. Earlier also he received Global Teacher Role Model Award in 2016 by MVLA Trust, Mumbai, Shikshak Shri Award in 2017 from Samarasta



Rashtriya Manch, Jaipur. He is presenting the Slide Show cum Lecture cum Poster Presentation at 106th Indian Science Congress to be held at Phagwara, Jalandhar, Punjab. At the same time he has been invited as organising committee member for 3rd World Congress on Pharmacology and Toxicology to be held at Rome and also presenting the slide show on Indian Pharmacy Professional Achievements.



Students of **G. Pulla Reddy College of Pharmacy**, Hyderabad participated in **IPA-IPC National Pharma Quiz Competition 2018** conducted at Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Guntur on 8th December 2018. Total 225 teams from all over India participated in online test and top 50 teams called for semifinals and finals.

T. Varun Sai, A. Saurabh and K. Girish of IV year B. Pharmacy Students won 1st prize and Alle Poojitha, Jena Chandrakant and Fatima Unnisa of Pharm.D IV year students stood 6th place.

The first prize team received the Mementos and a cash prize of Rs.15,000/- from the dignitaries of IPA and other guests on the dias.

Delhi Pharmaceutical Sciences & Research University, New Delhi (DPSRU), first Pharmacy University of India, has signed a Memorandum of Understanding for collaboration with Alniche Lifesciences, a pharmaceutical company headquartered in New Delhi to develop innovative formulations in the field of Nephrology & Critical care on 14th Sept. 2018.

Alniche recognizes the leading role of DPSRU in the field of



postgraduate education & research and DPSRU appreciates the Social commitment and Professional obligation of Alniche to promote pharmacy education and enlarge the scope of research application by collaborating with the academic institutions. Commenting on the collaboration, Professor R K Goyal, Vice Chancellor of DPSRU said that "The university believes that partnering with industry is the best way to give practical shape to innovative ideas". Mr. Girish Arora, Founder & Managing Director of Alniche Lifesciences shared that "Academia can play an important role in innovating novel products specifically required by Indian masses".

Professor Harvinder Popli (Dean), Principal investigator for this project stated that under this collaboration, both the partners will work together for three broad areas Formulation & Development, Concept to Creation and Analysis & Standardisation of differentiated novel Pharmaceuticals.

Professor Raman Dang (Registrar), Dr Geeta Aggarwal and Ms. Ritu Hasija (Director Corporate, Alniche) played a pivotal role in establishing this collaboration. Dr. madhu gupta, Dr. rajiv K. Tonk, Dr. Shilpa Jain, Dr. Jaseela, Dr. Mahaveer, Dr. Ajit K. Thakur, Dr. Sushma and Dr. Parul Sharma are also joined and shared their experience about research aspects particularly in this area.

Along with this collaboration, Alniche also instituted two awards (Jwalat & Vijayin) to recognise the young researchers & new start-ups at DPSRU innovation and Incubation Foundation (DIIF) to bring new products, concepts & technologies to the Indian market.



Prof. Ramesh K. Goyal, Vice-Chancellor, Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi was conferred



upon with **Hon'ble Professorship** by Stavropol State Medical University (StSMU), Russia. He is second faculty to receive this honor from outside Russia in 80 years during its 80th Annual Series and this would be positive possibility of joint projects for student and faculty exchange, designing of joint courses and to collaborate research projects. There is one project in collaboration of DPSRU University and Stavropol State Medical University (StSMU), under consideration as INDO RUSSIAN PROJECT-2018 that will serve as ray of hope for novel effective therapy for Diabetic Foot Ulcer treatment as well as established the mechanisms.

During his visit, Prof. Goyal shared the work done on the result outcome on "Diabetic Foot Ulcer treatment therapy by Regenerin" suggest "Regenerin" to be a safe formulation and perhaps it is the first time study that it is effective in diabetic foot ulcer.



The 144th publication of Manipal Universal Press, "**Affordable and Effective Drug Delivery**" edited by Dr N Udupa, Director-Research(Health Sciences), was held on 30th November 2018, in Professor P Gundu Rao conference hall of MCOPS. The Vice Chancellor of MAHE, Dr H Vinod Bhat released the book during the function, in the presence of Dr C Mallikarjuna Rao, Principal MCOPS, Dr Neeta Inamdar, Chief Editor, MUP and Head, Department of European studies and Dr N Udupa. Dr Manthan Janodia, Professor and Head of Department of Pharmacy Management, MCOPS, welcomed the audience and presented an overview of the book. The book release was followed by a reflection on the journey of the book by Dr K S Aithal,

Professor, MIT, MAHE, Manipal, and distribution of book to the contributors by Dr H Vinod Bhat.

The book is a compilation of the research works executed under the guidance of Dr Udupa. He is a prolific researcher and author of more than 500 articles with over 5000 citations, eight patents, nine books, research guidance of over one hundred students, recipient of research grants amounting over four crore rupees and recipient of numerous awards

and recognitions. During the function, Dr Udupa and Mrs Vijayalakshmi Udupa were felicitated by his students and the team MUP.

The program was coordinated by Dr Usha Nayak and Dr Angel Alex served as the master of ceremony. Dr Srinivas Mutalik, Dr D Sreedhar, Dr Usha Nayak and Dr Angel Alex were involved as associate editors.



1st National Sports Physiotherapy conference which was held on 7th October 2018 at Constitution Club of India New Delhi, where **Dr Shilpa Jain, Dr Jyoti Kataria, Dr Parul Sharma** Represented School of Physiotherapy, Delhi Pharmaceutical Sciences and Research University, New Delhi, where **Dr Shilpa Jain** was entitled by **Significant Contribution Award**, **Dr. Jyoti Kataria** got **Physio Gaurav Sammaan** & **Dr Parul Sharma** won **1st prize in Senior Oral Paper Presentation**. **Ms Charu Sharma** got **2nd Prize in Junior Oral Paper Presentation** and with many other BPT Students who got ranks and prizes in various activities; like Story writing, Poster and Quiz Competition.

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Association of Pharmaceutical Teachers of India (India)

APTI Headquarters: **Rajajinagar, Bangalore, Karnataka**

Secretariat and for Correspondence:

G4, Jasmine Block, Esteem Park, JP Nagar 5th Phase Rose Garden Road,
Bangalore -560 078M: **+91 9945846106 / 9844399409**

Email: aptienquiry@gmail.com, aptibulletinalerts@gmail.com, apti.headquarters@gmail.com, Home page: <http://www.aptiindia.org>

COLLECTOR'S ALBUM



Friedrich Sertuner

(June 19, 1783 – February 20, 1941)

was a German Pharmacist, discovered the painkiller morphine in opium while working as a pharmacist's apprentice in 1805

Contributed by

Dr. Madhu Gupta

Delhi Pharmaceutical and Research University
Pushp Vihar, Sector - 3, MB Road
New Delhi - 1100177

Nanorobots: is a miracle in Drug delivery

Dr. Madhu Gupta*

Delhi Pharmaceutical Sciences and Research University, Pushp Vihar Sector-3, MB Road, New Delhi-110017 OSD to VC, DPSRU

Email: madhugupta98@gmail.com, Mob: +91-9205916065

Abstract

Abstract: With the combined application of biotechnology, molecular biology (as engineered organism) as well as molecular medicine can develop fully self-sufficient nanorobots. This nanorobot is miracle version of medicine in the future and an advanced submicron device generally made of bio-nanocomponents. It has an eminence future in the drug delivery technology that will target the various diseases. Nanorobots could carry and deliver large amounts of drugs into diseased cells without harming healthy cells, reducing the side effects related to current therapies.

Key words: Nanomedicine, Nanorobots, Drug Delivery System, Target etc.

INTRODUCTION

The nanotechnology is an impressive technology and changes the present scenario completely by researchers in recent decades. By exploiting the interdisciplinary approach that would ensure that the exciting potential of nanomedicine many levels would be a concentered reality. The combination of the skills of various professionals in the field of medicine, pharmaceuticals, chemistry and physics really facilitate research on nanomedicine or studies DDS e-nanorobotics.

Nanorobots are considered as Nano Electro Mechanical Systems (NEMS), which represent a new edge in miniaturization, that constitute today a multibillion-dollar industry. Nanorobotics and more generally, NEMS research involves design (which often is biologically inspired), prototyping, fabrication, programming and applications such as biomedical nanotechnology. Robotics at any scale involves sensing, control, actuation and propulsion, power, communications, interfacing, and programming and coordination¹. Miniaturizing devices to the nanoscale creates a wealth of new possibilities in nanobiotechnology and nanomedicine, such as targeted drug delivery platforms. While the futuristic vision of nanovehicles capable of reaching and exploring inaccessible tissue within the human body is compelling, combining propulsion, targeting and controlled drug release in vivo remains a challenge. Nanorobots have dimensions close those of biological cells and organelles². This open a colossal array of potential applications in environmental watching for microorganisms and in health care as an example, imagine artificial cells (nanorobots) that patrol the cardiovascular system, notice tiny concentrations of pathogens, and destroy them. This might quantity to a programmable system, and may need sweeping implications in medication, inflicting a paradigm shift from treatment to bar. Alternative applications like cell repair can be attainable

if nanorobots were sufficiently small to penetrate the cells. Additionally, minuscule sensors and actuators square measure required if the rising vision of a physically coupled ascended info infrastructure.

APPROACHES³

1. Biochip:

The joint use of nanoelectronics, photolithography, and new biomaterials, can be considered as a possible way to enable the required manufacturing technology towards nanorobots for common medical applications, such as for surgical instrumentation, diagnosis and drug delivery. Indeed, this feasible approach towards manufacturing on nanotechnology is a practice currently in use from the electronics industry. So, practical nanorobots should be integrated as nanoelectronics devices, which will allow tele-operation and advanced capabilities for medical instrumentation.

2. Nubots:

Nubot is an abbreviation for "nucleic acid robots." Nubots are synthetic robotics devices at the nanoscale. Representative Nubots include the several DNA walkers reported by Ned Seeman's group at NYU, Niles Pierce's group at Caltech, John Reif's group at Duke University, Chengde Mao's group at Purdue, and Andrew Turberfield's group at the University of Oxford.

With the creation of nubots, particularly the Deoxy Nucleic Acid Walkers, mutations could potentially be repaired within the nuclei of cells. Nanotechnologists will maneuver their nubot through a protein channel in the cell membrane, travel through the maze of the endoplasmic reticulum and cross into the nucleus to deliver a fix for a potentially life threatening mutation.

3. Positional nanoassembly:

Nanofactory Collaboration founded by Robert Freitas and Ralph Merkle in 2000, is a focused ongoing effort involving 23 researchers from 10 organizations and 4 countries that is developing a practical research agenda specifically aimed at developing positionally-controlled diamond mechanosynthesis and diamondoid nanofactory that would be capable of building diamondoid medical nanorobots.

4. Bacteria based

This approach proposes the use biological microorganisms, like *Escherichia coli* bacteria. Hence, the model uses a flagellum for propulsion purposes. The use of electromagnetic fields are normally applied to control the motion of this kind of biological integrated device, although his limited applications.

Applications of Nanorobots:

Nanorobots are tiny machines that can work as today's machines, but more exactly, the development of this new technology, brings benefits in medicine, industry, and others areas. They can be applied to solve problems of energy conversion, using catalytic nanomotors, recent studies search the ability to increase the velocity, force, lifetime, of synthetic nanomotors, some nanomotors are able to move, autonomously at speeds approaching 100 body lengths per second. The improving of velocity, motion control and the lifetime of catalytic nanomotors is very important to create power in chip Microsystems powered by autonomous transports. Besides, it is possible to apply this new technology to create a laboratory on a chip device⁴.

Another application is to solve infertility problems. German engineers built a nanorobot that connects to the scourge of sperm and acts as an engine by boosting the research aims to make it more accessible and effective fertility treatments [10]. Problems as pollution can also be solved with nanorobots, engineers at the University of California, for instance, are using nanorobots to capture the excess carbon dioxide in the waters of lakes, rivers and even oceans⁵.

Structure and Design of Nanorobots

Two types of nanorobots are most widely researched, organic and inorganic. The organic nanorobots, also called bio-nanorobots, are manufactured using viruses and bacteria DNA cells. Such nanorobot is less toxic to the organism. Inorganic nanobots are created diamond structures, synthesized proteins and others types of material. These types of robots are more toxic, a way of reducing this problem is to encapsulate the robot, this method also avoids its destruction by the body's defense system, this problem, has been a major challenge faced by researchers.

With knowledge about biological motors of living cells, scientists can learn how to power micro sized and nano-sized machines with catalytic reactions.

A team of South Korean scientists, of Chonnam National University, has developed organic nanorobots made with the salmonella bacteria genetically modified in order to not show toxicity, this nanorobot is attracted to molecules released by cancer cells and was named Bacteriobot, with about three micrometers. When they reach the cancer cells, they release the drug, the Bacteriobot were designed to attack colorectal tumors and achieved satisfactory results in tests with laboratory rats⁶.

One type of inorganic nanorobot was made with an array of tiny planar coils generating fields, these fields create magnetic blocks, representing a possible position for the nanorobot, and they also possess magnetic disk and a lower surface which allows sliding the positions that can be take. The prototype is about two millimetres in diameter, but the researchers plan to improve the design to further decrease the nanorobot size to about 250 micrometers in diameter⁷.

Last year, Professor Jeremy Baumberg and colleagues in Cambridge and the University of Bath developed the world's tiniest engine – just a few billionths of a metre in size. It's biocompatible, cost-effective to manufacture, fast to respond and energy efficient. The forces exerted by these 'ANTS' (for 'actuating nano-transducers') are nearly a hundred times larger than those for any known device, motor or muscle. To make them, tiny charged particles of gold, bound together with a temperature-responsive polymer gel, are heated with a laser. As the polymer coatings expel water from the gel and collapse, a large amount of elastic energy is stored in a fraction of a second. On cooling, the particles spring apart and release energy. The researchers hope to use this ability of ANTs to produce very large forces relative to their weight to develop three-dimensional machines that swim, have pumps that take on fluid to sense the environment and are small enough to move around our bloodstream. Working with Cambridge Enterprise, the University's commercialisation arm, the team in Cambridge's Nanophotonics Centre hopes to commercialise the technology for microfluidics bio-applications⁸.

Nanorobots used as Drug Delivery System

Predictions about the use of nanorobotics considered applications in Central Nervous System (CNS), cancer treatment, body surveillance, delicate surgeries, endoscopy, among others. Challenges such as limitations of nanotechnology and few studies focused on the fundamental understanding of behaviour in the nanoworld, difficult handling and construction of these nanomachines. In nanomedicine, it has been explored in drug delivery system, which acts directly on target

points of the human body. Researchers develop systems able to deliver drugs in specific locations also controlling up the dosage and frequency of this release. Drug Delivery Systems can be applied in the treatment of articular diseases, dental, diabetes, cancer and others². Diseases such neoplasms, hepatitis, diabetes, pulmonary, dentistry and cancer can be used nanorobotics technology as a means of implementing the DDS. One of the advantages of this technology is the diagnosis and treatment of the diseases with minimum prejudice to the healthy cells lowering the risk of unfavorable effect directing healing and reconstructive treatment at the cellular and subcellular substances.

Technology Applied in Nanorobotics for Use as Drug Delivery System

Recent improvements in drug delivery turns up higher quality in targeted drug delivery that identify the specific cells with the self of nanosensors and regulate the discharge by use of smart drugs. Some researchers classify nanorobots in drug delivery and therapeutics according to their applications, which are described below.

Pharmacyte: Classified as medical nanorobots size of 1-2 μm able to carrying up 1 μm^3 a given drug in the tanks. They are controlled using mechanical systems for sorting pumps. Depending on the situation the weight is discharged in the extracellular fluid or cytosol (the aqueous component of the cytoplasm of a cell). They are provided with a molecular markers or chemo tactic sensors that guarantees full targeting accuracy. Glucose and oxygen extracted from the local environments such as blood, intestinal fluid and cytosol are the onboard power supply. After the nanorobot completing tasks they can be removed or recovered by centrifuge nanapheresis⁹.

Diagnosis and Imaging: The authors cite microchips that are overlaid with human molecules. The chip is projected to send an electrical signal when the molecules detect a disease. Gives an example of special sensor nanobots that can be introduced into the blood under the skin where they verify blood contents and notify of any possible diseases. They can also be used to monitor the sugar level in the blood. Advantages are the low price to produce and easily to manipulate¹⁰.

Clottocytes: This nanorobot is classified with a unique biological capability: "instant" hemostasis using clottocytes, or artificial mechanical platelets. It is known that platelets are roughly spheroidal nucleus-free blood cells measuring approximately 2 μm in diameter. Platelets join at a place of bleeding. There they are activated, becoming tacky and lumping together to form a tampon that aid stamp the blood vessel and stop the bleeding. They also delivery substances that help promote coagulating. Another interesting feature is its ability to perform phagocytosis of foreign particles and killing of microfilarial larval parasites. A complete functional design is focused on the purely mechanical aspects of the hemostatic

function of platelets and report the function in a small **in vivo** population of medical nanorobotic devices¹¹.

Microbivores: It is an oblate spheroidal device for nanomedical applications with 3.4 μm in diameter along its major axis and 2.0 μm in diameter along its minor axis. The nanobot can continually consume up to 200 pW. This power is used for digest trapped microbes. Microbivores have different characteristics of natural or antibiotic-assisted biological phagocytic defenses, acting as approximately up to 1,000 times faster. Another distinctive feature is related to the ability to phagocytose approximately 80 times more efficiently than macrophages agents, in terms of volume/sec digested per unit volume of phagocytic agent¹².

CONCLUSION

Nanorobots integrated with medicine has been shown a great potential from eradicating disease to reversing the aging process and also successfully explored for industrial applications. They might be used for personalised treatments with improved efficacy while reduced side effects that are not available today. They may be the combined effect of drugs marketed with diagnostics, imaging agents acting as drugs, surgery with instant diagnostic feedback. The advent of molecular nanotechnology will again expand enormously the effectiveness, comfort and speed of future medical treatments while at the same time significantly reducing their risk, cost, and invasiveness. This science might sound like a fiction now, but Nanorobotics has strong potential to revolutionize healthcare, to treat disease in future. It opens up new ways for vast, abundant research work.

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Association of Pharmaceutical Teachers of India

Headquarters: Bangalore

APTI - Shri G.P. Srivastava Memorial Award-2018



Prof. Dr. Fakeerappa Veerappa Manvi

The Association of Pharmacy Teachers of India is proud and derives enormous pleasure in conferring 'APTI- Prof. G. P. SRIVASTAVA MEMORIAL AWARD 2018' to Prof. (Dr.) Fakeerappa Veerappa Manvi, Retired Principal and Dean, Faculty of Pharmacy, KLE University, Belagavi during the 70th Indian Pharmaceutical Congress held at Amity University, Noida, Uttar Pradesh, 21st -23rd December 2018.

Prof. (Dr.) F.V. Manvi born on 5th March 1946 is a B. Pharm (1967), Bangalore University, M.Pharm (1969), University of Saugar and Ph.D (1992), University of Bombay specializing in Pharmaceutics. He began his illustrious career as Assistant Professor in 1972 at KLE Society's J N Medical in the Department of Pharmacology and in-charge principal of College of Pharmacy, Belagavi which was running D.Pharm course. He was instrumental in elevating the institution from D.Pharm to B.Pharm, M.Pharm and Ph.D programs. He served as principal till 2012. Dr. Manvi sir was instrumental in starting KLE University, Belagavi and served as Co-ordinator. He is the former President of APTI for two terms. He was the First Dean of Karnataka University, Dharwad, Rajiv Gandhi University of Health Sciences, Bengaluru and KLE Deemed-to-be-University, Belagavi. He has been a Syndicate Member, Chairman Board of Studies of three Universities and Chairman, Education Division, Indian Pharmaceutical Association. He was the Member, Pharmacy Council of India, New Delhi, Chairman, Education regulation Committee, PCI, New Delhi. Dr. Manvi Sir was the Government Nominee, Board of Examining Authority, Drugs Control Dept. Karnataka State Bangalore. Member, Board of Studies of Bangalore, Mysore, Gulbarga, Goa and Mangalore Universities. Member, Governing Body, KLE'S Hospital and Research Center, Belgaum, Life Member of APTI, IPA, ISTE, IPS, IPGA, CRS, APPI etc. Member, Karnataka State Pharmacy Council, Bengaluru

Prof. Manvi was the Life Member, Joint Secretary and Secretary of the prestigious KLE Society, Belagavi. He is associated with several Universities, regulatory bodies, associations, Government agencies and Social responsibilities in various capacities as chairman, expert member, nominee etc. He is responsible for establishing Pharmacy Colleges for KLE Society at Belagavi, Hubballi, Bengaluru, Nipani, Gadag and Ankola which has produced a very large number of pharmacy professionals serving in India and world over. He is instrumental in collaboration for the faculty and student exchange programme with University of Sunderland, UK, University of Illinois, Chicago, USA, Rhodes University, South Africa and Goa University, Panjim, Goa.

Dr. Manvi has published 114 research papers, presented scientific papers, co-authored books/chapters and published patents of which two have been granted. He has under taken six projects, received research grants worth 1.7 crore and guided more than 60 postgraduate students and Ph.D scholars. Prof. Manvi has rendered yeomen services to the profession by conducting QIP programs, Conferences, Seminars, Workshops, Teacher Training Courses sponsored by AICTE, PCI, WHO and other funding agencies. He has established the University department of Education for Health Professionals and Continuing Education for teachers in Health Sciences and introduced e-learning. He was invited to address on health sciences by Global Health for Women's and Children's Health Research of NIH, USA.

Prof. Manvi has the distinction of being decorated with many awards and honors including Best Principal and Life Time Achievement by APTI. He has been recently awarded with Seva Ratna award for his Social contributions and responsibilities towards the society and upliftment of the profession. He has been the guiding force for the students and faculties throughout his tenure as teacher of pharmaceutical sciences and has been bestowed with Teacher of Teachers award from RGUHS and KLE Universities.

The Association of Pharmaceutical Teachers of India applauds the endeavours of Prof. (Dr.) Fakeerappa Veerappa Manvi and wishes him and his family a wonderful life ahead

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On behalf of the APTI Family

January - 2019

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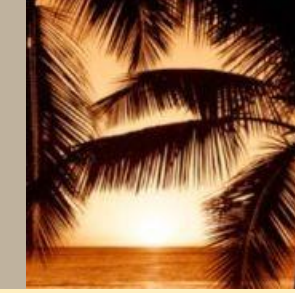


February - 2019

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CALENDAR 2019



Association of Pharmaceutical Teachers of India (India)

APTI Headquarters: Bangalore, Karnataka
Secretariat and for Correspondence:

G4, Jasmine Block, Esteem Park, JP Nagar 5th Phase Rose Garden Road,
Bangalore - 560 078M: +91 9945846106 / 9844399409

Email: aptienquiry@gmail.com, aptibulletinalerts@gmail.com, apti.headquarters@gmail.com, Home page: <http://www.aptiindia.org>



May - 2019

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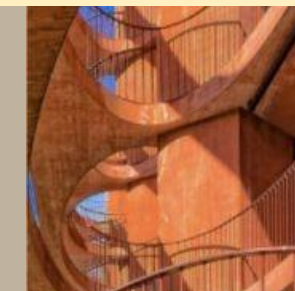
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December - 2019

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