Warm Greetings to All,

Over the last two decades, pharmacists’ role has transformed from product orientation services into patient centered services in our health care system. To bear the diversified responsibilities of patients’ care, the new generation pharmacist has to augment his own capability. Moreover, currently the Indian pharmaceutical industry is also undergoing unprecedented changes, thereby expecting a growth over 15 percent per annum which will surpass the 5 percent growth target set by global pharmaceutical industry. The market is expected to grow to US$ 55 billion by 2020, consequently India emerging globally as the sixth largest pharmaceutical market. More focus of industry being on in-house drugs development, contract research, contract production, and particularly in the conduct of clinical trials. Further, the Government of India unveiled ‘Pharma Vision 2020’ aimed at making India a global leader in end-to-end drug manufacture.

Hence, this scenario warrants a large pool of pharmacy professionals having potential to drive the current requirement ahead to the next level in the community pharmacy as well as in drug manufacturing sector. Obviously, the onus lies on pharmacy teacher fraternity and pharmacy institutions, where these expected, knowledgeable, world class professionals could be conceived.

At this juncture, recent implementation of PCI framed uniform syllabus in B.Pharm and M.Pharm curriculum across the country with introduction of some new subjects is a welcome step. This will assist students in acquiring unvarying knowledge by means of better methods of teaching and learning. Thus, the contribution of a competent pharmacy teacher becomes quite demanding. The circumstance urge the central and state body of Association of Pharmaceutical Teachers of India (APTI) to play a predominant role.

In this direction the proposal to construct APTI - B.M.Reddy Innovation, Incubation and Education Centre at Bengaluru is an excellence boosting step of APTI, which will provide in-house training programmes to sharpen teaching skills and attainment of academic and professional competency of pharmacy teachers across the country. Other professional activities of APTI, assisting teachers and students, in this regard include, publication of reputed indexed journals IJPER & IJOPP, circulation of APTI bulletin & newsletter for womens’ forum, organization of international, national and state level events, honoring the eminent teachers in these events,
Department of Pharmaceutical Science & Technology Satna (M.P.) & Centre for Traditional Knowledge Research & Applications, AKS University, Satna has jointly organized 2-Days National Conference on "Ayurvedic Sciences: From Vedic Period to Nano Era-Challenges, Opportunities & Skills" Sponsored by Indian Council of Medical Research—New Delhi & MP Council of Science & Technology-Bhopal and Co-Sponsored by AKS University, Satna. Around 200 participants — comprising, research scholars, under graduate and post graduate students and faculty members from Pharmacy, Science, Ayurvedic Colleges and Medical colleges were participated in this program.

The inaugural function started immediately after registration & breakfast. Presidential address was given by Shri. B.P.Soni Ji, Hon’ble Chancellor, AKSU, Satna and the Chief Guest of the Inaugural session of the Conference was Dr. Maya Ram Uniyal, Ex-Director CCRAS, M/o Ayush, GOI & Former Advisor—Jadi Buti & Sughand Padap, UK. The guests of Honor were Dr. Paritosh K. Banik, Hon’ble Vice-Chancellor, AKSU, Satna & Er. A.K.Soni, Hon’ble Chairman, AKS University, Satna. Special Guests of the Conference were Dr. R.S.Tripathi, Pro Vice-Chancellor (Administration), AKS University, Dr. Harshwardhan, Pro Vice-Chancellor (Development), AKS University Satna & Dr. Deepak Kulshrestha, Principal, Govt. Ayurved College, Rewa. Prof. R.N.Tripathi, Chairman (Organizing Committee), Dr. Y.K.Bhoon, Convener & Director, Centre for Traditional Knowledge Research & Applications, AKS University, Satna & Prof. Surya Prakash Gupta, Head, Department of Pharmaceutical Science & Technology & Organizing Secretary were also present on the stage. Organizing Secretary welcomes the guest & delegates. Convener briefed about the Dhanvantari Pargatya Diwas. OSD & Dean (I/c) FPST, AKSU, Satna & Chairman-National Conference briefed about the National Conference. Various guests off the stage includes our Management Team of the University, various Deans, Directors & Heads of various Departments, Speakers, Guests, Delegates, participants and faculty members. Organizing Chairman, proposed the Vote of Thanks.

There were four technical sessions. The first technical session of the Conference was started with the keynote address of Dr. Maya Ram Uniyal, Ex-Director CCRAS, M/o Ayush, GOI & Former Advisor—Jadi Buti & Sughand Padap, UK on "Vartamaan paripreksh mein ayurved ka vaidic Kaleen gauravshali itihaas evam vaigyanic yug mein anusandhaan---uchit dishaa". After this, Dr. Akhilesh Sharma, Ayurvedic Consultant-New Delhi delivered his lecture on "Ayurveda: Multi-dimensional scope in a Global perspective". His talk was followed by talk of Sh. Prem Joshi, Plantation & Conservation Research Centre, Khandwa Road, Indore (M.P.), on "Agnihotra - The vedic science to heal ailments and environment". Dr. Rama Jayasundar, Professor, Department of NMR, All India Institute of Medical Sciences, New Delhi, delivered her talk on "Ayurveda: 5000 years old or state of the art?". In post lunch session, Dr. Deepak Kulshrestha, Principal, Govt. Ayurved College, Rewa delivered his talk on "Ayurved mein anusandhan ki parampara vedic kaal se aadharhni kal tak—Pharmaceutical ke vishesh sandarbh mein". After his talk, Dr. Kuldeep Raj, Medical Officer (Ayurved), State Ayurvedic Hospital, UP, delivered his talk on 'Nadi Pariksha by Nadi Tarangani tridosa estimation electro trodosogram ayurved siddhant examination by blood test'. Yogi Hukum Chand, Yog & Ayurved Guru, Bhartiya Yog Anusandhan Kendra-Bhopal, delivered his talk on "Ayurvedic Sciences: Vedic kaal se nano era tak ki yatra". Dr. Y.K.Bhoon, Director, Centre for Traditional Knowledge Research & Applications, AKS University, Satna, delivered his talk on "Swadeshi Microbial Biofertilizer for cultivation of medicinal plants to promote ayurved".

Dear Friends, less is done, lot more to be achieved for our successors. It is an appeal to you all to strengthen APTI at your best possible way and assist in accomplishing its' mission.

Regards
Dr. Debajyoti Das
Vice President,
Second day began with the Dr. A.K.S. Rawat, Scientist F & Head (Retd.), Pharmacognosy & Ethnopharmacology Division, National Botanical Research Institute, Lucknow-(India), delivered his talk on "Ayurveda : Opportunity for development of Novel Phytopharmaceutical drugs". Prof. Indra Prasad Tripathi, Professor & Dean, Faculty of Science & Environment, MGGCV, Chitrakoot, Satna (M.P.), delivered his talk on "Ancient Secrets of Plants Miracle Cures Unraveled in the Laboratory". Dr. R.L.S.Sikarwar, Senior Research Officer, Arogyadham, Deendayal Research Institute, Chitrakoot, Dist. Satna (M.P.), delivered his talk on "Retrospect and Prospect of Ethnobotanical study in India in last 60 years". Dr. Vijay Singh, In-Charge (Ras sala), Arogyadham, Deendayal Research Institute, Chitrakoot, Dist. Satna (M.P.), delivered his talk on "Traditional Knowledge & Modern knowledge of Ayurvedic Medicines. Dr. Manoj Tripathi, Scientist & In-Charge, Deendayal Research Institute, Chitrakoot, Dist. Satna (M.P.), delivered his talk on Challenges and Emerging Trends in Ayurvedic products in Present Scenario.

Post lunch session started with the talk of Vaidya Parmakar Malviya, Ayurved Practitioner, Satna. He delivered his talk on 'My experiences in ayurved' followed by talk of Vaidya R.B. Pandey, Ayurved Practitioner, Jaitwara, on "Ayurved mein mere anubhav". Vaidya. Abdul Varsee, Traditional Vaidya, Gauvigyan dharit gau amrit aushadiya chikitsa kendra, AKS University, Satna delivered his talk on 'Gau Vigyan'.

In valedictory function, Dr. P.K. Banik, Hon’ble Vice-Chancellor, AKS University, Satna, was the Chief Guest. The function was presided by Er. A.K.Soni, Chairman, AKS University, Satna. Dr. R.S.Tripathi, Pro Vice-Chancellor (Administration), AKS University, Dr. Harshwardhan, Pro Vice-Chancellor (Development), AKS University, & Prof. R.N. Tripathi, OSD, AKS University, were the Special Guests. Prof. R.N.Tripathi, Chairman (Organizing Committee), Dr. Y.K.Bhoon, Convener & Director, Centre for Traditional Knowledge Research & Applications, AKS University, Satna & Prof. Surya Prakash Gupta, Head, Department of Pharmaceutical Science & Technology & Organizing Secretary were also present on the stage. Research scholars, UG and PG students presented their research and review in the form of Poster Presentation. The winners of Poster competition received award of certificates from the guests of the valedictory session.

Delegates had submitted their feedback and received certificates and dispersed after enjoying high tea. The Conference was successfully coordinated by teaching members namely Dr. (Mrs) Madhu Gupta, Mr. Prabahkar Tiwari, Mr. Ankur Agarwal, Mr. C.P.Singh & Ms. Priyanka Gupta, Mr. Pradeep Tripathi, Ms. Neha Goel, Mrs. Priyanka Namdeo and non-teaching staff members. Organizing Chairman, LOC summarized the events of two days conference and thanked all LOC members for their enormous contribution. The delegates expressed their satisfaction over the quality data presented at the various scientific sessions. The conference ended with a vote of thanks from Convener.

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Department of Pharmaceutical Science & Technology, AKS University, Satna, M.P. has organized 1-Day National Seminar on "Radiopharmaceuticals in Healthcare system: Quality, Safety and Regulatory Aspects" Sponsored by Atomic Energy Regulatory Board (AERB), Govt. of India-Mumbai and Co-Sponsored by AKS University, Satna. Around 350 participants – comprising; research scholars, under graduate and post graduate students and faculty members from Pharmacy, Science, Nursing, Ayurvedic Colleges and Medical colleges were participated in this program.

The inaugural function started immediately after registration & breakfast. Presidential address was given by Dr. Paritosh K. Banik, Hon’ble Vice-Chancellor, AKSU, Satna and the Chief Guest of the Inaugural session of the Seminar was Dr. Rakesh Kumar Sharma, Director, Defence Food Research Laboratory (DFRL). The guests of Honor were Dr. Harshwardhan, Pro Vice-Chancellor (Development), AKS University Satna & Dr. R.S.Tripathi, Pro Vice-Chancellor (Administration), AKS University. Special Guests of the Seminar at the stage were learned speakers of the National Seminar. Prof. R.N.Tripathi, Chairman (Organizing Committee), Dr. G.P.Richhariya, Dean (VC), Pharmacy & Dr. Surya Prakash Gupta, Head, Department of Pharmaceutical Science & Technology & Organizing Secretary were also present on the stage. Dr. G.P.Richhariya, Dean (VC), Pharmacy, welcomes the guest & delegates. Organizing Secretary briefed about the National Seminar. Various guests off the stage include our Management Team of the University, various Deans, Directors & Heads of various Departments, Speakers, Guests, Delegates, participants and faculty members. Prof. R.N.Tripathi, Organizing Chairman, proposed the Vote of Thanks.

There were two technical sessions. The first technical session of the Seminar started with the keynote address of Dr. Rakesh Kumar Sharma, Director, Defence Food Research Laboratory (DFRL) on 'Radiopharmaceuticals in Healthcare'. After this, Dr. AK Shukla, Professor (Med Phys), Dept. of Nuclear Medicine, Sanjay Gandhi Post Graduate Institute of Medical Sciences, lucknow delivered his talk on
"Misadministration In Handling Of Radiopharmaceuticals And Safety Concerns".

In post lunch session, Dr. Sanyog Jain, Associate Professor, Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research, Chandigarh, Mohali delivered his talk on "Pharmacoscintigraphy: A non-invasive tool for evaluation of new drugs/delivery systems". After his talk, Mrs. Manisha V Inamdar, SO/E, RSD, Atomic Energy Regulatory Board-Mumbai (Nominee) delivered her talk on "Radiological safety and regulatory aspects in handling radiopharmaceuticals in healthcare systems".

In valedictory function, Dr. P.K. Banik, Hon’ble Vice-Chancellor, AKS University, Satna, was the Chief Guest. The function was presided by Er. A.K.Soni, Chairman, AKS University, Satna. Dr. Harshwardhan, Pro Vice-Chancellor (Development), AKS University & Dr. R.S.Tripathi, Pro Vice-Chancellor (Administration), AKS University were the Special Guests. Prof. R.N.Tripathi, Chairman (Organizing Committee), Dr. G.P.Richhariya, Dean (I/c), Pharmacy & Dr. Surya Prakash Gupta, Head, Department of Pharmaceutical Science & Technology & Organizing Secretary were also present on the stage. Research scholars, UG and PG students presented their research and review in the form of Poster Presentation. The winners of Poster competition received award of certificates from the guests of the valedictory session.

Delegates had submitted their feedback and received certificates and dispersed after enjoying high tea. The Seminar was successfully coordinated by teaching members namely Dr. (Mrs) Madhu Gupta, Mr. Prabhakar Tiwari, Mr. Ankur Agarwal, Mr. C.P.Singh, Ms. Priyanka Gupta, Mr. Pradeep Tripathi, Ms. Neha Goel, Mrs. Priyanka Namdeo and non-teaching staff members. Organizing Chairman, LOC summarized the events of Seminar and thanked all LOC members for their enormous contribution. The delegates expressed their satisfaction over the quality data presented at the various scientific sessions. The Seminar ended with a vote of thanks from Organizing Secretary.

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Sir Madanlal Institute of Pharmacy, Alampur Hauz, Agra Road, Etawah, UP, has organized an industrial visit to central Drug Research Institute, Lucknow, Uttar Pradesh for the students of B.Pharm 3rd and 4th year on 23 February, 2018. CSIR- Central Drug Research Institute (CSIR-CDRI), a premier drug research laboratory established by government of India as a constituent laboratory of council of science and industrial research, New Delhi on 17th 1951 with its mission for modernized drug research in India-having everything under one roof, from synthesis, screening, development studies, process up-scaling to clinical studies. Unique achievement of the institute includes discovery and development 12 new drugs; transferred more than 130 indigenous technologies to the pharmaceutical companies. so far more than 10,000 research articles, obtained more than 350 Indian patents and 90 international patents; and produced more than 1000 Ph.D.’s.

The visit initiated with the detailed briefing about the organization through presentation and videos to provide a maximum gain for the students by Dr. Sanjiv Kumar, Junior Scientist, CDRI, followed by an informal interaction highlighting mainly the growth, status, accomplishments, future projects, achievements and key milestones of the company. The students raised queries related to their job opportunities, continue education etc. Students were taken around different sections of the organization, which included pharmaceutics and pharmacokinetics, pharmacology and toxicology departments, where Dr. PK Mishra, Dr. Kashif Hanif and Dr. Sarika Singh mentored and take around the students and detailed the concern departments through presentation and personal interaction. The officials at CDRI were also very impressed with the curiosity of students to learn the subject. They tried to answer every question that they had asked. The officials of the department hoped to see the students working in their organization in the near future. Later on, the students had the opportunity to have group photograph and personal interaction. The students were very happy and felt enriched after visiting the organization.

The students were escorted by four faculty members Mukesh Kumar Pathak, Rajesh Kumar Pal, Shweta Jain and Rehanuddin accompanied by director Dr. US Sharma and administrative staff Sanjiv Yadav.

Dr. US Sharma said that the purpose of organizing these visits is to make the students get an idea about the industrial work and manufacturing process from a practical point of view. It also helps the students to make their studies interesting as they can observe the things they study from their theory books. The students were provided a wide exposure to the
several department facilities and were extensively benefited by the company professionals and had a memorable experience though they had crossed the bridge in between theoretical and practical knowledge. The visit was worthy enough and at each steps, the company members replenished the knowledge of students. At the end of visit, on behalf of SMGI, Mr. Vivek Yadav, Chairman and Dr. US Sharma, Director expressed a whole hearted thanks to the CDRI team for their kind cooperation and providing opportunity to gain the knowledge about industrial exposure which has definitely enhanced the knowledge of students to achieve their professional interest. Their contributions were greatly acknowledged.

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Himachal Institute of Pharmaceutical Education and Research (HIPER) is a renowned organization that organizes highly notable Seminar throughout the Himachal Pradesh. Currently we brought second National Seminar on Current Status and Future Scope for Nanomaterials and Nanotechnology in Drug Discovery and Development at Himachal Institute of Pharmaceutical Education and Research (HIPER), Nadaun Himachal Pradesh sponsored by Indian Council of Medical Research, New Delhi and Himachal Pradesh Technical University, Hamirpur.

Shri. Rattan Gautam, ADC, Hamirpur, Dr. Ved Parkash Patial, Controller of Examination Himachal Pradesh Technical University, Hamirpur, Mr. Vijay Agnihotri Ex. MLA, Nadaun underlined the importance of continuing education for updating the skills, competence and knowledge in the Pharmacy Profession. They stressed on the need for developing pharmaceutical skills and various initiatives taken up by the Himachal Pradesh Technical University, Hamirpur and Himachal Government to increase the employment avenues of the Pharmacy students. Shri. Rattan Gautam, ADC, Hamirpur, Prof. (Dr.) Rajender Guleria Advocate Shri. Ashok Sharma Chairman HIPER, Prof. (Dr.) Parshuarm Rai, Principal and Convener-HIPER, Dr. Debjit Bhowmik, Organizing Secretary and HOD-HIPER, all teaching, non-teaching and students of HIPER presided over the inauguration ceremony.

The conference invites all the participants across the various states of India to attend and share their insights and convey recent developments in the field of Pharmaceutical Nanotechnology. Nanotechnology seems to have gained a widespread interest in the recent years. Nanotechnology has considerably accelerated the growth of regenerative medicine in the past few years. Application of nanotechnology in regenerative medicine has revolutionized the designing of grafts and scaffolds which has resulted in new grafts/scaffold systems having significantly enhanced cellular and tissue regenerative properties. The main focus of the conference was on the current research & development in the field of nanotechnology.

This conference had a variety of plenary lectures, session lectures, Oral Presentation, Poster Presentations, Scientific Quiz Competition and discussions with renowned speakers, Pharma and medical Professionals, healthcare Professionals and leading specialists involved in the field of Pharmaceutical Sciences.

This was excellent opportunity for the delegates from Universities and Institutes to interact with the world class Scientists. Other speakers emphasized the impact of translating research in pharmaceutical industry, role of intellectual property rights in interdisciplinary pharmaceutical research, health promoting photochemical, pharmaceutical drug development and academia industry and collaboration in Pharmaceutical education. Under this massive conference, delegates from across Himachal and other states of India, representing both academia and industry, have registered for participation; posters and oral presentations were included to illustrate important role of pharmacy in modern life.

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Sree Siddaganga College of Pharmacy, Tumakuru, celebrated World Pharmacist Day with the Theme “From research to health care: Your pharmacist is at your service”. Prof. Dr. H. G. Shivakumar, Deputy Controller of Examination, JSS University, Mysuru, inaugurated the function by lighting the lamp and spoke on the Importance of Pharmacist, duties of Pharmacist and also highlighted the achievement of Pharmacists from discovery of medicine and its development to dispensing and patient care. Mr Deepak Badrinarayan, Managing Director, Wexford Laboratory Tumkur, Mr. Pradeep Shivakumar, General Manager, INM Technology Bangalore were the chief guest and Mr. Vinod Sadashiviah, Founder and managing Director, Lowkal healthcare Pvt. Ltd., Bangalore was the Guest of Honour. Dr. Suresh V Kulkarni, Principal Sree Siddaganga College of Pharmacy, Tumkur was Presided over the function.

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Cancer awareness day was celebrated under the umbrella of Drug Information Centre, Department of Pharmacology, MM School of Pharmacy, Maharshi Markandeshwar University (NAAC Accredited University), Sadopur-Ambala. The programme commenced with lighting of lamp by guest speaker Dr. Kuljinder Sodhi, Senior Oncologist, Capital super specialty Hospital, Yamunanagar and Dr. Manish Sharma,
Principal, MM School of Pharmacy, Sadopur. Mr. Baljinder Singh welcomed all the guests. Dr. Sodhi delivered an interesting deliberation on cancer. He covered about symptoms, tests, precautions and treatment of several types of cancers. Dr. Kuljinder Sodhi was presented a memento as a token of appreciation by Principal. A vote of thanks was extended by Dr. Rupesh K. Gautam, coordinator, Drug information centre.

In morning session, students pined-up ribbon of different colors as symbol of cancer awareness to all staff on this day. A quiz competition was also organized. Team of Mr. Aditya Kumar, Mr. Gangeshwar and Marghoob Zafar, B. Pharm-IV sem. won the quiz competition. Quiz competition was co-ordinated by Ms. Anjali Saharan and Mr. Kashish Wilson & Dr. Disha Avora, Ms. Isha Rani and Ms. Prerna Sharma judged the event.

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Department of Pharmaceutical Sciences, Utkal University in association with College of Pharmaceutical Sciences, Puri has organised an International Conference on “Nanomedicine in Diagnostics and Theraostics in Cancer”.

In the Inaugural meeting ceremony The Chief Guest was Sj. Pratap Jena Hn’ble Minister Health & Family welfare, Govt. of Odisha encouraged the student and participants for being involved in Research and dept. should publish a yearly or quarterly a scientific research journal. Recently Govt. of Odisha allowed 16 no of Drug Companies for the benefit of Pharma professionals and scientists. Prof. S.M. Patnaik the Vice Chancellor Utkal University presided the meeting and he assured all sorts of development would be carried out for the sake of pharmacy department. Prof. A. K. Dash Chair & Dean research, Creighton University, USA joined as the chief Speaker in the conference highlighted on Nano medicines and on its research. Organising Secretary Dr. Debasish Pradhan emphasised to create the infrastructure by joining hands with government as well as private sector for the upliftment of research in the field of Nano medicine. At the end HOD UDPS, Prof. P.K. Panda gave vote of thanks and in this meeting seven distinguished scientist have been felicitated. We have a peer reviewer system for the researcher students and faculties where we have given them a scope to display their research through Oral and Poster presentation. We have received a 188 no of articles from Participants across Nation and shortlisted 123 articles for publication in a UGC indexed approved journal. We sincerely thanks to our proud Sponsored ICMR, SERIFED, UTKALIKA, GAIL, Dhamara port, Pharmatutor, GPAT India and Media Partner HIC New-Delhi.

On the Valedictory meeting Dr Ajay Ku Parida, Director Institute of Life Science was the Chief Guest of the meeting. Prof. Brhamananda Satpathy, Chairman, P.G. Council presiding over the meeting and he stressed on validation of traditional knowledge and implement nanodelivery of drugs. Prof. Santosh Tripathy, Director CDC, Utkal University was the Guest of Honour and he emphasized on publishing a journal from the department. Prof. Amiyakanta Mishra, Principal CPS, Puri was the Guest of Honour of the meeting.

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School of Medical and Allied Sciences, GD Goenka University organized 1st National Conference on Recent Advances and Challenges in Healthcare (REACH-2018). The conference was jointly organized in association with Association of Pharmaceutical
Teachers of India (APTI) and Society of Indian Physiotherapists (SIP). Theme of the conference was “Role of Technology in Transforming Healthcare”. The conference was attended by more than 400 delegates representing academia, industry and student fraternity. Eminent speakers from academia and industry were invited to share their knowledge on varied topics related to the theme of the conference.

Prof. (Dr.) Shailendra Saraf, Vice President, Pharmacy Council of India was the Chief Guest. The eminent child prodigy Master Kautiya Pandit popularly known as “Google boy” was the special guest of honor. Prof. Shrihari, Hon’ble Vice-Chancellor of the GD Goenka University presided over the inaugural session of the conference and extended a warm welcome to all the esteemed guests and participants. Later, Dean, School of Medical & Allied Sciences- Prof. (Dr.) Rohit Dutt gave a welcome speech. The conference steered into an array of technical sessions, oral presentations and poster presentations.

Many notable speakers from different medical fields shared their views and knowledge on recent advances in healthcare technologies. In the inaugural session, Dr. Romi Singh, Associate Vice President- Sun Pharmaceuticals private limited disseminated information about top 20 advancements in healthcare field ranging from genome sequencing to robotic surgeries. Dr. Raju Parashar, Director/Principal Amar Jyoti Institute of Physiotherapy, New Delhi urged the audience to follow ethical practices for the betterment of the profession. Dr. Ali Irani, Ex-Physiotherapist Indian Cricket Team conducted a hands on training session on the management of sports injuries. He discussed the importance of pre and post workouts for a sportsperson. Ms. Nadia Merchant, Nutritional Manager Kellogg’s India Pvt. Ltd. Gave an understanding on the role of cereals in management of various human ailments. She highlighted the importance of having a healthy breakfast for an energetic day.

Dr. Pooja Sharma, Sr. Gynecologist, Medanta –The Medicity took an excellent session on the “Impact of technology in improving healthcare practices. She emphasized that usage of technology could improve patient compliance with reduced treatment cost. Dr. Deependra Singh was the co-chairman of the session.

The second session was delivered by Dr. Mary Skelly, CEO, Microbide, Italy. She elaborated on antimicrobial resistance and new avenues to combat the same, explaining the design and development of biocide for the delivery of antimicrobial agents.

The third session-cum-workshop was taken by Dr. Pritesh Bhat, Senior Application Scientist, Schrodinger, Bangalore. He emphasized the role of various In-silico techniques for shortening the time of drug discovery process. He explained the techniques like docking and pharmacophore mapping through the application of Schrodinger software. Dr. AK Madan and Dr. Harish Dureja were the chairman and co-chairman of the session.

A session on “Recent advances in Clinical Trials” was taken by Dr. Arun Sundriyal, PPD Pvt. Ltd., Gurugram. He disseminated the importance of volunteering in clinical trials for the benefit of the mankind through a video lecture. Dr. Dhirender Kaushik and Dr. Sudhir Bhardwaj were the session chairs.

Dr. Anant Phogat, Nutritionist, deliberated on the design of specific diets for various health disorders like diabetes, hypertension, obesity etc.

More than 300 abstracts were received for oral as well as poster
presentations. Students having best presentations in various categories were awarded Best Paper Award in the valedictory session which was presided by Dr. Gajendra Singh, Dean, Faculty of Pharmacy, Pt. BD Sharma University of Health Sciences, Rohtak.

The seminar concluded with the felicitation of all the speakers, chairman and co-chairman during various sessions. Dr. Payal Mahajan, Assistant Professor, School of Medical and Allied Sciences offered vote of thanks and expressed her gratitude on behalf of everybody, towards Management of GD Goenka University for providing various facilities, APTI and SIP leadership for their kind association for REACH-2018, Speakers for sparing their valuable time and insights on the subject, faculty members and students from various institutes for attending the conference.

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Rajiv Memorial Education Society’s College of Pharmacy Gulbarga has completed 25 years of academic excellence and part of its Silver Jubilee celebrations the institution has organized one day seminar. The resource persons were from Pharma Industry. Dr. Anil M Dandu, Senior scientific specialist, Paraxel International company Bangalore has delivered a lecture on “Medical Communication- Career opportunities” and Mr.Katta Anand Srinivas, Lead Analyst, Decision Resources Group, Bangalore has delivered a lecture on “Emerging Trends in Pharmacy Practice”. The seminar was attended by the faculty and students of Pharmacy colleges in and around Gulbarga.

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Delhi Institute of Pharmaceutical Sciences and Research is chosen as Nodal Centre for implementing Quality Improvement Program (QIP) of AICTE, for benefit of teachers from all corners of India. DIPSAR has successfully conducted 23 QIPs in last 18 years.

Continuing this tradition, DIPSAR hosted XXIV QIP titled “The current advances in the field of pharmaceutical chemistry” from 19-23 February 2018. Thirty two teachers, from different states of India, enthusiastically participated in the program. The participants were from various cities of Uttar Pradesh, Tamil Nadu, Telangana, Haryana, Himachal Pradesh, Kerala and Delhi.

The program was divided into three parts, first was theoretical brushing up of the knowledge, second was practical aspects through demonstrations and the last was industrial visit.

In the first part, sixteen renowned academicians, industry personnel, administrators from MDU Rohtak, THISTI Faridabad, DU Delhi, Biomics Rohtak, IGNOU Delhi, IPC Gazhiabad, BIT Ranchi, MSU Baroda, DOPE lab Delhi, deliberated on the current developments in the field of pharmaceutical chemistry and on other topics of interest. Prof Narsimhan spoke on - How to write research proposal, Mr Anand elaborated on the use of SciFinder as research tool, Dr Dinesh, Dr Ajit Kumar, Dr Vandna, Dr Shailendra Asthana stressed on importance of molecular modeling and docking in Drug design, Prof Sanjiv, Dr Amit, Dr Kalpendra Sahu ignited the minds with analytical techniques like Circular Dichroism in NMR, Mass spectroscopy and HPLC analysis respectively, Dr Sinha nurtured the meta mind management, Dr Rupini gave the environmental protection concept by using green chemistry, Dr Biswajit and Dr Rakesh spoke on nano formulations, Dr M R Yadav sparked interest in in-silico techniques while Dr R K Goyal, Vice chancellor DPSRU kindled interest in biomarker and target identification.

The knowledge gets consolidated through practical training. To do so, in the second part, each day one demonstration was given. Demonstrations covered training on HPLC, Digital polarimeter, ATIR and CHNS analyser.

In the third part the delegates were taken to industrial visit to Belco Pharma which exports medicines to around 50 countries. The industry keenly showed the production facilities of tablets, capsules, liquid orals, eye drops and injectables. They also showed their water preparation plant and how different waters are prepared and supplied to each section via separate pipe lines. It was a memorable visit.

The program concluded with valedictory function in the presence of chief guest Mr Vivek Kumar Tripathi, Additional Director, Directorate of training and Technical education, who aptly guided the delegates with the practical aspects of life learnt in his vast administrative experience.

Prof. D.P.Pathak, director DIPSAR and his team consisting of Prof. Sharad Wakode, Mrs. Amrita Parle, Dr Ramesh Bodla and other faculty members worked hard for the smooth conduction of the programme.
The delegates were given the opportunity to share feedback, in which they appreciated the contents and the knowledge imparted to them. They were impressed by the hospitality and cohesive work culture. The valedictory function ended with award of certificates.

Padma Sri Dr. BV Raju Foundation’s Shri Vishnu Pharmacy College has celebrated its 21st Annual day at Smt. Seetha Auditorium. The program was inaugurated by the Chief Guest to the function Dr. M. Srinivasa Rao, Director, GVK Bio. He advised the students to utilize the information available from the seniors for their development in the career. Distinguished guest of honour Mr. Ravi Chandran Rajagopal, Vice Chairman of Sri Vishnu Educational Society presided over the function. In his speech he advised the students to upgrade their skills and grab the new opportunities available to them.

Principal of Shri Vishnu College of Pharmacy Dr. K. Prasad advised that the students should strive hard in order to achieve their goals. He also added that the students have large number of opportunities in the field of Pharmacy. Prizes and certificates were distributed to the Top Academic achievers, and to the winners of sports and cultural events. Students have actively participated in the cultural programmes in the evening. Admin Director Mr. Prasad Raju, students and staff of the college participated in the event.

Padma Sri Dr. BV Raju Foundation’s Shri Vishnu Pharmacy College in Association with Indian Pharmaceutical Association, Bhimavaram Branch has successfully conducted Two Days National Conference “Pro Milam-2018” with the theme “Nanomedicines – Technology Driven”. The National seminar was inaugurated by Principal Dr. K. Prasad. SVCP, B.V. Raju Auditorium. He advised the students to improve their...
knowledge about new technologies in the field of Pharmaceuticals by attending technical seminars. The Chief Guest and speaker of the event Dr. Buchi Naidu Nalluri, Director, Siddhartha Pharma Innovation and Incubation Center have delivered a lecture on "Nano/ Micro- Needle Based Drug Delivery" and "Skin as an Organ for Drug Delivery". He also shared information about his research on sumatriptan and insulin drug delivery systems with the students. In the afternoon session of the program, students of Shri Vishnu College of Pharmacy and students of various Pharma institutions have presented "e-Posters" on new technical advancements in the field of Pharmacy.

The Seminar was concluded with valedictory function. Dr. M.Srinivasa Rao, Director, GVK Bio delivering a lecture on "Nano Suspensions of 'NCE -6 Targeting Triple Negative Breast Cancer'". The speakers Dr. K.Natraj, HOD. Pharmaceutical Analysis and Quality control, SVCP, gave a presentation on "Preparation and Evaluation of Bacopa monnieri Phytosomes" and Dr. M Raghu Prasad, HOD, Pharmaceutical Chemistry, SVCP gave a presentation on " Green Chemistry – for Sustainability" and highlighted the need of protecting the environment while manufacturing the chemicals, drug intermediates and drug products. Students of SVCP and various colleges have attended the conference. Prizes were distributed to the winners of e-Poster presentations and certificates to the participants. The seminar was concluded with vote of thanks by Dr. K.Prasad, Principal, Shri Vishnu College of Pharmacy, Vishnupur, Bhimavaram.

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One day ICMR sponsored National seminar was organized on "Ethnomedicines- a Source of Complementary and Alternative Medicines for Navigating the Future in Therapeutics" at School of Pharmacy, Chouksey engineering college, Bilaspur. The chief guest and keynote speaker of the seminar was Dr Shailendra Saraf vice president, Pharmacy Council of India. The seminar was inaugurated by lamp lightening and sarswati Vandana by Dr Shailendra saraf , Mr Ashish Jaiswal MD CEC, Dr Palak Jaiswal, Director CEC, Dr Dheeraj Ahirwar Principal, School of Pharmacy, CEC. After the inauguration keynote speech was delivered by Dr Shailendra Saraf followed by scientific session by Dr. V.D.Rangari, Head, Pharmacy Department, Guru Ghasidas University, Dr Girish Pandey, Dr VK Dixit, on various topics related to Ethnomedicine.

The Inaugural function was started with Welcome address by Dr. Dheeraj Ahirwar, Principal, School of Pharmacy, CEC. He spoke about the theme of the Ethnomedicines and the need to spread awareness about use of ethnomedicine.

Dr Shailendra Saraf has an open discussion with students, in which he suggested students about future scope of Pharmacy in India and resolved their queries. He gave his best wishes for best outcome from the seminar. Participants had good interaction with him and clarified their doubts.

Dr JP Singh, Vice president CG Medicinal Plant Board, was the chief guest of valedictory function at the seminar. In his speech he discussed about the use of traditional Ethnomedicines by various tribal physicians and its outcome.

During this seminar Tribal Physicians of Chattishgarh known as "Baigas" were invited and decorated for their contribution to the society. They also bring their traditional medicines with them.

School of pharmacy Chouksey Engineering college is organizing similar programs of social cause on frequent intervals to enrich the knowledge of the students. It is a pioneer institute in field of pharmaceutical research in Chattishgarh which conducts courses like BPharm, MPharm, Dpharm and PhD as well as courses related to Prime ministers skill development program.

In the afternoon session, Scientific Session is presided by Oral Presentation and poster presentation of Research papers by Faculties and students from various parts of India in two parallel sessions. More than 210 research papers was presented. The seminar was attended by more than 450 delegates from different colleges and 11 different states of India. The presentations were evaluated by the senior faculty and 6 best oral and poster presentations were awarded.

Mr Ashish Jaiswal, Managing Director of the college has delivered best wishes for the success of seminar and invited guests to visit institution on upcoming International seminar on 26-27 October 2018 at the college.
The vote of thanks was extended by Professor Dr. Utpal Jana. During vote of thanks he expressed gratitude towards all helping hands joined together to make this conference a real national event.

Smiti College of Pharmaceutical Education, Indore had organized MPCST sponsored one day National Seminar on “Herbal Medicines as a Foundation for Drug Discovery: Present Status and Future Perspective”.

Smiti College of Pharmaceutical Education, Indore had organized M. P. Council of Science & Technology sponsored National Seminar on Herbal Medicines as a Foundation for Drug Discovery: Present Status and Future Perspective. The event was inaugurated with lamp lightening ceremony, Sarswati Vandana and welcome address by Dr. Neelesh Malviya, Principal, Smiti College of Pharmaceutical Education. The event was graced by our Chief Guest Mr. Sanjay Tiwari, Ex- Senior Vice President, Sun Pharmaceuticals Ltd., Guest of Honor Dr. D. K. Jain, Director, College of Pharmacy IPS Academy, Indore, Dr. Arun Gupta, Dean Pharmacy, Dr. APJ Abdul Kalam University, Indore, Dr. Raghvendra Dubey, Principal, College of Pharmacy, Dr. APJ Abdul Kalam University, Indore, Dr Amit Modi, Principal, Mathuradevi College of Pharmacy, Indore and Dr. R. V. Sheorey, Director, Nimar College Of Pharmacy.

The objective of the seminar was to provide novel inputs into the drug development process on Herbal medicine in search for efficiently valuable natural resources by pharmaceutical industries.

The seminar had been attended by 240 delegates and got benefited by getting the novel ideas shared by renowned academicians like Mr. Sanjay Gyani, Managing Director, Alchemy Chemicals, Ujjain, Dr. Love Kumar Soni, Reader, School of Pharmacy, DAVV, Indore and Mr. Ajay Ji Namdeo. The Resource Person had shared their research experience and thoughts on various aspects of current research in herbal drug discovery involving a multifaceted approach combining botanical, phytochemical, biological, and molecular techniques.

Mr. Sanjay Gyani has emphasized on the importance of therapeutic effect of herbal drugs. Dr. Love Kumar Soni had shared the importance of intellectual property rights. Mr. Ajay Ji Namdeo focuses on drug discovery and development on herbal traditional medicines.

The accepted abstract book had been released during the ceremony, which will be published in Asian Journal of Pharmaceutics.

The poster session was followed by the seminar in which nearly 122 posters accepted by the scientific committee had been displayed. The abstracts for poster presentation had been called with relation to distinctive themes of Pharmaceutical Sciences: Pharmaceutical Technology, Medicinal Chemistry, Pharmaceutical Analysis, Quality Assurance, Pharmacognosy, Phytochemistry, Pharmacology and Toxicology and Regulatory Affairs.

140 abstracts had been received by the scientific committee after the proper validation 122 abstracts had been approved for the poster presentation.

The posters had been evaluated by the judges, the delegates who achieved first and second and third position had honored with certificate and memento.

Valedictory Function was concluded by our Chief Guest Dr. Mrs. Savita Vyas, Professor, MGM Medical College, Indore with her valuable words.

The conference was successfully concluded with high tea. The organizing committee had put all their efforts to make this even a successful one.

Bharati Vidyapeeth, College of Pharmacy, Kolhapur (Maharashtra) “Centre for Skill & Entrepreneurship Development” (CSED), has organized one week training session on “Employability & Entrepreneurship Enhancement & Youth Livelihood” of Nandi Foundation Mahindra Pride Classroom, Pune for Final year B. Pharm students during period from at Bharati Vidyapeeth, College of Pharmacy, Kolhapur.

The inaugural function started with the recitation of the Saraswati Vandana, followed by the lamp lighting ceremony by the dignitaries on the dais, Nandi Foundation Mahindra Pride Classroom official Mrs. Sandhya Gondhali & Miss. Divya Shah, Principal Dr. H. N. More,
Vice-principal Dr. M.S. Bhatia, Dr. Anilkumar J. Shinde (Co-ordinator Centre for Skill & Entrepreneurship Development). One week training session near about 71 students were actively participated. In this training sessions includes Communication skills, Interview techniques, preparation of CV, Contents of CV, Mock Interview, Self-confidence, presentation skills, Personality development skills, how to live with successes etc.

One week training session on “Employability & Entrepreneurship Enhancement & Youth Livelihood” was co-ordinated by Dr. Anilkumar J. Shinde (Co-ordinator, Centre for Skill & Entrepreneurship Development), Dr. M.S. Bhatia (Vice-Principal), Dr. S.A. Pishwiker, and all the faculty members and students were present on the occasion.

A Two Day’s National National Level Seminar on “Advances in the Field of Quality Assurance of Pharmaceuticals” sponsored by Savitribai Phule Pune University was organized in JSPM’s Charak College of Pharmacy and Research, Wagholi, Pune. Eminent speakers for industry and academia shared their knowledge and experience during the event. Day 1 began with introductory note by Dr. S. B. Wankhede, Convener of the Seminar. The first scientific session was delivered by Mr. Santosh Palevar, Founder, DocRosh Healthcare on Quality Assurance of Pharmaceuticals: Outlook 2020. Dr. Jaiprakash Sangshetti, Associate Professor, Y. B. Chavan College of Pharmacy elaborated the concept of Quality by Design in Analytical Method Development. Mr. Chetan Halani, Co-Founder & Business Development Head, CT Quest LLP, shared his insights on Quality Assurance in Clinical Research. Day 2 began with Mr. Yogesh Ghodki, Assistant Executive, Ajanta Pharma Limited, sharing the case studies of Quality Assurance in Formulation and Development. Mrs. Neeta Sant, General Manager, Sai Life Sciences, gave a total overview and latest developments in implementation of concept of quality assurance in R&D unit of pharmaceuticals. The last session of day 2 was delivered by Ms. Annie Matthew, Consultant, Jhonson & Jhonson. She shared her insights on implementation of quality assurance and ISO requirements for medical devices. Mr. D. M. Awari proposed the vote of thanks acknowledging participation of all the stakeholders in making this event a success. Prof. T. J. Sawant, Founder Secretary, and Dr. V. A. Bugade, Dr. S. V. Admane & Dr. V. M. Kayande, Campus Directors, JSPM Wagholi Campus congratulated all the teaching, non-teaching staff and students for successful organization of this Two Days National Level Seminar.

Shri Govindram Shaiksersya Institute of Technology & Science (SGSITS), Mehsana has organized a college tour to Saputara, Shirdi, Aurangabad and Bombay. Trip started at 9pm on 1st March 2018 with 60 students of BPharm Sem-VI & VIII with two faculty members (Prof. Dr. Pankaj Prajapati & Ms. Avani Patel) and reached to Saputara at 7am. They visited hill station and then moved for Shirdi and reached at 5.30pm. All have visited Shirdi Saibaba temple and stayed at night there. Next day morning they moved for Aurangabad and reached there at 11am where they visited Ellora caves & Biwi ka Makbara. Then they moved for Khandala & stayed there at night. Next day morning trip started for Imagica and reached at 10.30am where they spent whole day and returned back for Mehsana and reached safely at 10.30am. The entire trip was full of fun, enjoy with made the mind of all cheerful.

Smriti College of Pharmaceutical Education celebrated International Women’s Day. The event was inaugurated with lamp lightening and welcome address by Dr. Neelesh Malviya, Principal, Smriti College of Pharmaceutical Education. The event was graced by Dr. Yogeshwari Phatak (Director, Prestige Institute of Management and Research, Indore, M.P), Mrs. Varsha Hardikar (Principal, Devi Ahilya College of Pharmacy, Indore, M.P) and Dr. Asma Nizami (Gynaecologist, Indore, M.P), Mrs. Preetibala Shukla (Sales officer, Unicharm India Pvt. Ltd.). The eminent speakers emphasized on importance of “SHAKTI” and enlightened students that life always gives a chance to continue their career. The technical session focused on common diseases faced by women and ways to overcome them. The event was made joyful with song, dance performance, games and cake cutting ceremony.

APTI Members are invited to contribute for the collectors Album and the Continuing Education sections of the APTI Bulletin. Kindly send your write ups and the collection to be shared by all the Members at aptienquiry@gmail.com, or dangraman2000@yahoo.co.in.
22\textsuperscript{nd} APTICON at Lloyd’s Greater Noida.

The 22\textsuperscript{nd} Annual National convention of APTI took place at Lloyd Institute, Greater Noida on 24\textsuperscript{th} March 2018. It was a packed eventful day. There was tree plantation by the esteemed dignitaries. Inauguration of Museum and the much awaited Inaugural and glittering awards ceremony. Dr. S. Eswara Reddy, DCGI was the Chief Guest. His presidential address made everyone give a standing ovation. He spoke from the heart and touched everyone in the audience. Sri Atul Nasa, Head of office, Deputy Drugs Controller was at his best and appreciated all efforts of APTI. The inaugural remarks by the LOC. Chairman Prof. R.K. Goyal had praise for the entire organizing team who did a commendable job in such a short span of time. President APTI Prof. P.D. Chaudhary gave his address and announced the insurance scheme for the teachers. Prof. Raman Dang, Secretary APTI gave the Secretary’s Report and highlighted the enormous job done by APTI young team even since they took up in Manipal during APTICON, October 2016. APTI Journals: IJPER, IJOPP and APTI Bulletin, Women’s Forum News Letter and Award Book 2018 were released by the Chief Guest and Guest of Honour of the function.

Dr. P.C. Dandiya gave the holistic talk and the Chairperson of Lloyd briefed about Lloyd institutions and APTICON.

The entire hall was full of applause during the APTI award ceremony. The awardees were jubilant and happy in recognition of their achievements and the Award. Dr. Mahesh Burande presented the well made A.V. of the Awardees.

Dr. Vandna Sethi, Organising Secretary, 22\textsuperscript{nd} APTICON gave the vote of thanks. The oration and memorial lectures by the experts and luminaries were followed after lunch. There was poster and oral session as well.

The EC of APTI was conducted the previous day and AGM during the convention. There was good participation and delegates had a nice time. The event was followed by the Gala dinner hosted by APTI for felicitating the LOC of 69\textsuperscript{th} IPC. The music and social gathering saw everyone dancing and relaxing.

Secretary-APTI

On behalf of APTI Core Team and State Branches.
Shri Bhojraj Panjamool
Life Time Achievement Award - 2017

Dr. S. S. Ramchandra Murthy

Dr. L.V.G Nargund of Nargund Research Foundation,
Bengaluru
Prof. C.J. Shishoo Award - 2017 for Research in
Pharmaceutical Sciences

Dr. Varsha B. Pokharkar

Dr. (Mrs) Manjusree Pal Memorial Award for the
Best Pharmaceutical Scientist - 2017

Dr. Veerabrahma Kishan

Late Smt. Kamla Ben Vavia
Memorial Award for the outstanding contributions
to APTI

Dr. Shailendra Saraf
APTI Woman of the Year - 2017

Dr. Shobha Rani R Hiremath

IPER’s Principal of the Year Award - 2017

Dr. A. Rajasekaran

Bharathi Vidyapeeth (Deemed University) Pharmacy College, Pune Pharmacy Teacher of the Year - 2017

Dr. Sunil S. Jalalpure

APTI Young Pharmacy Teacher of the Year Award - 2017

Dr. Amit Kumar Goyal
Gala dinner hosted by APTI for felicitating the LOC of 69th IPC
Dr. S. T. Bhagawati, Assistant Professor in the Department of Pharmaceutics, Sree Siddaganga College of Pharmacy, Tumkur, Karnataka, has been awarded a Doctor of Philosophy (Ph.D) in Pharmaceutical Sciences by Manipal University, Manipal, Karnataka. The Ph.D was awarded for the research work entitled "Development and evaluation of oral strip formulations for drugs with poor bioavailability" which was carried out under the guidance of Dr. Krishnamurthy Bhat, Professor & Head, Department of Pharmaceutical Quality Assurance, Manipal College of Pharmaceutical Sciences, Manipal university, Manipal, Karnataka.

Shri S. T. Bhagawati has more than 14 years of teaching experience. He has guided 4 M. Pharm students and presently guiding 5 M. Pharm students. He published more than 17 research papers in various national and international journals. He has presented several papers in national and international conferences.

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Mr. Ishan I. Panchal, working as an Assistant Professor at Department of Pharmacy, Parul University, Vadodara, Gujarat has been awarded the degree of Doctor of Philosophy (Ph.D.) in Pharmacy from Gujarat Technological University, Ahmedabad for his topic "Design, synthesis and biological evaluation of some substituted sulphonylureas and guanidine derivatives as hypoglycemic agents" under the guidance of academician cum researcher Prof. Dr. Dhrubo Jyoti Sen, who is working as a professor and HOD of pharmaceutical chemistry at the Shri Sarvajanik Pharmacy College, Mehsana, Gujarat. Mr. Panchal did his Bachelor of Pharmacy (B. Pharm) degree and Master of Pharmacy (M. Pharm.) degree both from the Shri Sarvajanik Pharmacy College from Hemchandracharya North Gujarat University, Patan, Gujarat. He has published 18 research as well as review articles, Coauthored by Dr. D. J. Sen in peer reviewed international journals of high impact factor and two monographs in Lambert Academic Publishing GmbH & Co. KG, Germany and his one book ‘Synthesis in Medicinal Chemistry’ is in press (Nirali Prakashan, Pune). Mr. Panchal is the 1st Ph.D. student of his esteemed guide Prof. Dr. D. J. Sen (1st Ph.D. faculty of Shri Sarvajanik Pharmacy College).

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Dr. Ganesh Kumar Gudas, Associate Professor, Sirkrupa Institute of Pharmaceutical Sciences, Siddipet has been awarded the degree of Ph.D. (Doctor of Philosophy) in Pharmaceutical Sciences by JNTU Hyderabad on the topic "Formulation and Development of Mucoadhesive Drug Delivery Systems". He has carried out his research work under the guidance of Dr. D. V.R.N. Bhikshapathi (Professor and Head, Vijaya College of Pharmacy, Hyderabad). He has experience of more than 9 years in teaching and research. He has more than 14 publications in his name in various national and international journals and guided 13 M.Pharm students. He has participated many National and International Conferences/ Seminars, reviewed books and research manuscripts of various repute publishers. He is a life member of APTI (TL/LM-307) and registered with Telangana State pharmacy Council. He sincerely acknowledges Management, Principal, all teaching and nonteaching staff members of SKIPSc, for their help, encouragement and co-operation during course of research work.

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Three Professors of Pharmacy College Chopda Nominated as Board of Studies Members on Pharmacy Faculty of North Maharashtra University

Mrs. Ashatai Patil Vice President, Dr.Smita Sandeep Patil, Dilip Salunkhe Felicitating Nominated Members Principal Dr. Gautam Vadnere, Dr. Bhushankumar Sathe and Dr. Avinash Patil

This is the most notable to have the elections and nomination in Board of studies of North Maharashtra University, Jalgaon (MS) as per the latest amendment in the Maharashtra University Act very speedily and all credit goes to Hon.Vice Chancellor and his Technocrats for most academic environment. MGSM, Smt. Sharadchandrika. Suresh Patil College of Pharmacy have got the best representation as Principal with two Professors were taken as Board of Studies Member for various subjects in Pharmacy Faculty.
Dr. Avinash Patil was elected unopposed on Pharmaceutical Chemistry Board as Principal Dr. Gautam Vadnere was nominated on Pharmacognosy Board and Dr. Bhushankumar Sathe on Board of Pharmaceutical Chemistry, was nominated by Hon. Vice-chancellor North Maharashtra University Jalgaon. First time from 25 years of existence of College three Professors Dr. Patil, Principal Vadnere and Dr. Bhushankumar Sathe were taken on Board of Studies of Pharmacy Faculty this academic year.

Hon. Management was very happy and welcomed all this Three Professors and felicitated in presence of Ashatai Patil Vice President, Dr. Smita Sandeep Patil, Secretary, MGSM, Chopda, MS. Chopda Association of Drugist and Medicine Chief and representative also felicitated Dr. Bhushankumar Sathe on his achievements.

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Dr. R. K. Maheshwari, Professor of Shri Govindram Shaiksyariya Institute of Technology & Science (SGSITS), Indore has delivered guest lecture on Ecofriendly pharmaceutical application of hydrotrrophy, mixed hydrotrrophy & mixed solvency concepts at SSPC Mehsana. Around 100 persons including BPharm (Sem-6 & Sem-8), MPharm and faculty members attended this event. Dr. Maheshwari did MPharm in pharmaceutics in 1984 from Sagar University and PhD in pharmaceutics from Devi Ahilya Vishwavidyalaya, Indore in 2008 having more than 150 publications in national/international journals and more that 100 conference papers. He achieved 2 awards and worked on solubilization which is a concept of solvency system and this solubility concept is very much appreciated in graduate, postgraduate studies with basic pharmaceutical research. Hydrotrrophy concept is basically physical chemistry approach of chemical compounds related to enhance solubility profile by ecofriendly approach in green chemistry. The session was ended with statement of appreciation by Dr. C. N. Patel, Principal of SSPC, Mehsana and vote of thanks by Dr. Pankaj Prajapati, HOD, Pharmaceutics Department, SSPC, Mehsana.

********

Dr. Bhushankumar Sathe presented his Research Work in form of Poster at SPER Annual 7th International Conference in Association with Abdur Rehman Crescent University, Chennai. Title of the Research Paper was Synthesis of Novel Fluorobenzothiazoles Schiff’s Base: As Possible Antifungal Agents. He had carried detailed synthesis of 2aminobenzothiazole from Fluorochloro Aniline to get Schiff’s Base reacted with 4nitrobenzaldehyde further synthesized 20 novel derivatives which were characterized by TLC, Elemental Analysis, followed by Spectroscopic studies UV, Infrared, NMR studies and molecular weight of derivatives were obtained from Mass spectroscopy. All 10 novel derivatives of Fluorobenzothiazoles Schiff’s Base were screened for Antifungal activity against 3 strains of fungi using Clotramazole and Griseofulvin as standard. Results were near to Standards used. Dr. Cristofer Barry had detailed interaction with evaluation of scientific poster and appreciated original research. Dr. Sathe was awarded as Best Research Paper amongst all participants. Award was given by hands of Dr. H. Devaraj, Vice Chairman UGC, Dr. S. H. Ansari Ex. Vice Chancellor Jamia Hamdard University Delhi, Dr. Nagaich Upendra Secretary SPER.

********

Prof. Md. Razeeb Md. Usman Conferred with Young Scientists Award in International Conference and Exhibition by Prof. H. Devaraj (Vice Chairman, UGC), Hon. Abdul Qadir Abdul Rahman Buhari (Chairman, B. S. Abdur Rahman Crescent University), Prof. IR. Dr. Sahol Hamid Bin Abu Bakar (Vice Chancellor, B.S. Abdur Rahman
Crescent Institute of Science and Technology, Chennai), Mr. P. K. Gupta (Chairman, Belco Pharma, Bahadurgarh and Chairman, Confederation of India Pharmaceutical Industry), Prof. S. H. Ansari (School of Pharmaceutical Education and Research Formerly {Faculty of Pharmacy} Jamai Hamdard University, New Delhi), Dr. P. Visen (Risk Factor Modification Centre, St. Michael’s Hospital, University of Toronto, Canada), Dr. Upendra Nagaich (Secretary, SPER & Coordinator, Amity Institute of Pharmacy, Amity University, Noida), Prof. Dr. S. Hemalatha (Dean, School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai) at B.S.A. Rahman Crescent Institute of Science & Technology, Chennai.

He is also invited as a Resource Person for Scientific Session.

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Dr. V. Sankar, Vice principal and Professor attended the 13th international symposium on healthy Aging organized by Li Ka Shihing Faculty of Medicine, The University of Hong Kong in Hong Kong. Participants from 22 different countries in the disciplines of medicine, pharmacy, nursing, physiotherapy, dieticians attended the event and shared their research findings.

He has presented 3 poster presentations during the event in the research areas, related to self Nano emulsifying drug delivery systems with Justicia adhatoda and Psidium guava for the treatment of dengue, Brimodine insitu gel for the management of glaucoma, diabetic education for the management of hypoglycaemia. His travel and stay was supported by PSG college of Pharmacy, Coimbatore

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APTI Awards Book is released. Kindly visit APTI website www.aptiindia.org for info and application forms. The email link has been sent to you and also hard copy marked to the head of institute.

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Email: aptienquiry@gmail.com & dangraman2000@yahoo.co.in

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On behalf of APTI Central Core Team &
APTI State Branches.

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Bangalore -560 078
Max Ludwig Henning Delbrück,
(September 4, 1906 – March 9, 1981)

A GermanAmerican biophysicist, received Nobel Prize in Physiology in 1969 for "the discoveries of the replication mechanism and the genetic structure of viruses"

Contributed by
Prof. Kuntal Das
Krupanidhi College of Pharmacy,
Bangalore.
Histone Deacetylase Inhibitors: Current Status of a Novel Class of Anticancer Drugs
Harish Rajak, Jageshwar, Preeti Patel, Vijay K Patel
Institute of Pharmaceutical Sciences, Guru Ghasidas Central University, Bilaspur-495 009 (CG)

Abstract
The continuous global rise in number of cancer patients, adverse effects of anticancer drugs and simultaneous development of drug resistance towards existing anticancer chemotherapy warrants the urgent need to develop novel anticancer agents. HDAC inhibitors appear to be a promising novel class of anticancer drugs for the treatment of different types of cancers. The present article, summarizes the current status of HDAC inhibitors for the treatment of cancer including their classification, mode of action and clinical & therapeutic status of HDAC inhibitors.

Introduction
Cancer is a disease described by uncontrolled cell growth and proliferation, which frequently occurs due to disordered gene expression, genetic and/or epigenetic processes. The uncontrolled cell growth results in the development of tumors. Cancer is one of the leading cause of death in both economically developed as well as developing countries. According to the National Cancer Registry Programme of the India Council of Medical Research (ICMR), more than 1300 Indians die every day due to cancer. Between 2012 and 2014, the mortality rate due to cancer increased by approximately 6%. In India, Breast cancer and Lung cancer kill the most women and men, respectively. Anticancer drugs are used to treat or manage cancer, either by killing the cancer cells or modifying their growth. The anticancer drugs have adverse effects indicating their limited selectivity. The major treatment options for cancer includes surgery, chemotherapy, radiation therapy, immunotherapy, monoclonal antibody therapy or other methods. The choice of therapy depends upon the location and grade of the tumour and the stage of the disease, as well as the general stage of the patient.

In last few years, histone deacetylase (HDAC) inhibitors has attracted public attention as a novel class of anticancer drugs. The availability of HDAC inhibitors in the US/Chinese market has increased the choice of drugs for better treatment of different forms of cancer.

Types of HDAC inhibitors
- Cyclic peptide: Desipeptide (FK-228), Apicidine.
- Aliphatic acid: Valpoic acid, Phenyl butyrate.
- Benzamide: MS-275, CI-994.
- Miscellaneous: Trifluromethyl, Depudecin.

All the HDAC inhibitors possess four crucial structural features i.e., cap group, connecting group, spacer and ZBG (CONHOH). The cap group and zinc binding group is joined by connecting unit and a straight chain or cyclic spacer.

Mechanism of action:
The acetylation and deacetylation of histone plays a significant role in transcriptional alteration of eukaryotic cells at DNA level and are catalyzed by two distinct enzymes i.e., histone acetylases (HATs) and HDACs. These enzymes play a vital role in the dynamic balance between acetylation and deacetylation of histone protein resulting in accurate regulation for gene transcription and gene expression of eukaryotes. The disbalance of them can bring the disorder of proliferation and differentiation in normal cells and then lead to the initiation of tumor. The inhibition of these two enzymes controls the cell growth and decrease the possibility to develop tumor.

Current Status of HDAC inhibitors
Several HDAC inhibitors are currently being assessed for the treatment of different types of cancer. A number of structurally varied HDAC inhibitors have shown potent anticancer efficacy with slight toxicity during in-vivo studies in animal models. Currently, many HDAC inhibitors are under clinical evaluation and few of them are available in market of US and China only. The HDAC inhibitors i.e., vorinostat, romidepsin, belinostat and panobinostat are available in US market and chindamide is available in China only. The therapeutic indications of these drugs are mentioned in Table 1 and their chemical structures are depicted in Figure 1. The HDAC inhibitors under various phases of clinical trials along with their potential therapeutic applications are listed in Table 2. It is expected that these drugs would also be available for patients suffering from cancer in India after due regulatory affairs to provide more and better treatment options.
### Table 1: HDAC inhibitors Available in Market and Their Therapeutic Indications

<table>
<thead>
<tr>
<th>Drug, Brand Name</th>
<th>Year of Approval</th>
<th>Disease/cancer</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vorinostat, Zolinza</td>
<td>2006</td>
<td>Cutaneous T cell lymphoma (CTCL)</td>
<td>US-FDA Approved</td>
</tr>
<tr>
<td>Romidepsin, Istodax</td>
<td>2009</td>
<td>T-cell lymphoma (CTCL)</td>
<td>US-FDA Approved</td>
</tr>
<tr>
<td>Belinostat, Beleodaq</td>
<td>2014</td>
<td>Peripheral T-cell lymphoma</td>
<td>US-FDA Approved</td>
</tr>
<tr>
<td>Panobinostat, Farydak</td>
<td>2015</td>
<td>Multiple myeloma</td>
<td>US-FDA Approved</td>
</tr>
<tr>
<td>Chidamide, Epidaza</td>
<td>2015</td>
<td>Peripheral T-cell lymphoma</td>
<td>Chinese-FDA Approved</td>
</tr>
</tbody>
</table>

### Table 2: HDAC Inhibitors under Clinical Studies

<table>
<thead>
<tr>
<th>Class</th>
<th>HDAC Inhibitor</th>
<th>Clinical Trial Phase</th>
<th>Disease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroxamic acid derivatives</td>
<td>Givinostat</td>
<td>II</td>
<td>Relapsed leukemia and multiple myeloma</td>
</tr>
<tr>
<td></td>
<td>Resminostat</td>
<td>I &amp; II</td>
<td>Hepatocellular carcinoma</td>
</tr>
<tr>
<td></td>
<td>Abexinostat</td>
<td>II</td>
<td>B-cell lymphoma</td>
</tr>
<tr>
<td></td>
<td>Quisinostat</td>
<td>I</td>
<td>Multiple myeloma</td>
</tr>
<tr>
<td></td>
<td>Rocilinostat</td>
<td>I</td>
<td>Multiple myeloma</td>
</tr>
<tr>
<td></td>
<td>Practinostat</td>
<td>II</td>
<td>Prostate cancer</td>
</tr>
<tr>
<td></td>
<td>CHR-3996</td>
<td>I</td>
<td>Advanced/metastatic solid tumors refractory to standard therapy</td>
</tr>
<tr>
<td>Short chain fatty Acids</td>
<td>Butyric acid</td>
<td>II</td>
<td>Colorectal cancer</td>
</tr>
<tr>
<td></td>
<td>Phenylbutyric acid</td>
<td>I</td>
<td>Gastric cancer</td>
</tr>
<tr>
<td>Benzamides</td>
<td>Entinostat (MS-275)</td>
<td>II</td>
<td>Breast cancer, Hodgkin’s lymphoma, non-small cell lung cancer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>III</td>
<td>Hormone receptor positive breast cancer</td>
</tr>
<tr>
<td></td>
<td>Tacedinaline</td>
<td>III</td>
<td>Non-small cell lung cancer and pancreatic cancer</td>
</tr>
<tr>
<td></td>
<td>4SC202</td>
<td>I</td>
<td>Advanced hematological malignancies</td>
</tr>
<tr>
<td>Sirtuins inhibitors</td>
<td>Nicotinamide</td>
<td>III</td>
<td>Laryngeal cancer</td>
</tr>
</tbody>
</table>
Conclusion

HDAC inhibitors represent a novel class of drugs used for treatment of cancer. The field of HDAC inhibitors as anticancer agent is in dynamic state, few drugs are approved by US and Chinese FDA and many drugs are being under clinical investigation. The market available HDAC inhibitors would further improve the range of treatment options available for various types of cancer. The HDAC inhibitors are being considered as promising agent for development of anticancer drugs and they are also expected to play a vital role in the cancer chemotherapy.

References

The Association of Pharmaceutical Teachers of India (APTI) is pleased to bestow upon Dr. S. S. Ramchandra Murthy the prestigious Shri Bhojraj Panjamool Life Time Achievement Award during 22nd APTICON at Lloyd’s, Greater Noida.

He was born on 13th October, 1949. He is the recipient of Bharti Vidya Peeth deemed University, Poona: Pharmacy Teacher of the year Award in the year 2000 and Professor G.P. Srivastava Memorial Award in the year 2011. He has worked in many prestigious Colleges and Universities as various level. He has been an industry consultant and served as Director in ISF College of Pharmacy, Moga. He has actively participated at various APTI Conventions. He has numerous papers to his credit and is a thorough researcher. Dr. RSR Murthy has published many books and chaired many scientific sessions. He has been an invited speaker to many prestigious conferences. He is responsible for getting many research grants and has many patents to his credit. He has guided 104 M. Pharmas and 35 Ph.D Scholars. He is an IPA fellow. He is a role model to all upcoming researchers and is a team leader.

The Association of Pharmaceutical Teachers of India is proud to recognise the services of Dr. R.S.R Murthy to the Pharma Profession. we wish him good health and well being.
Certificate

Dr. L.V.G Nargund of Nargund Research Foundation, Bengaluru
Prof. C.J. Shishoo Award - 2017
for Research in Pharmaceutical Sciences

Dr. Varsha B. Pokharkar

The Association of Pharmaceutical Teachers of India (APTI) is immensely pleased to confer Dr. L.V.G Nargund of Nargund Research Foundation, Bengaluru Prof. C. J. Shishoo Award 207 for Research in Pharmaceutical Sciences on Dr. Varsha B. Pokharkar. She is the Vice Principal and Head Dept. of Pharmaceutics at the Bharathi Vidyapeeth University Poona College of Pharmacy, Pune. She has her entire Pharmacy qualification and Ph. D from Mumbai University. She has been an active participant in many of APTI conventions. Dr. Varsha Pokharkar is a researcher to the core and has enormous publications to her credit. She has a total impact factor of 165 for her publications with around 2500 citation and a high h index. She has many books & chapter to her credit. Dr. Varsha is a powerful orator and has presented many papers in conferences of repute. She is responsible for bringing a grant amount of around one crore to her institute and her many patents to her credit as well. She has guided many M. Pharm and Ph.D scholars for successful completion of their research work. She has received the Best Research Award from Bharathi Vidyapeeth University for her focused research. She is innovative, creative, strong resource person.

APTI recognises and appreciates her services as a researcher. The Association wishes her a glorious life ahead.
Prof. Veerabrahma Kishan is the recipient of Bharathi Vidyapeeth Deemed University, Poona College of Pharmacy Teacher of the Year Award in 2011. The Association of Pharmaceutical Teachers of India (APTI) feels happy to confer the prestigious Dr. (Mrs) Manjusree Pal Memorial Award for the Best Pharmaceutical Scientist 2017 to Dr. Veerabrahma Kishan. He is a Professor at the University College of Pharmaceutical Sciences, Kakatiya University, Warangal. He was born on 24th January, 1960 and has completed most of his pharma education in Andhra. He has a huge teaching and research experience mostly at Kokatiya University, Warangal. He has even served as principal.

He has series of papers to his credit which are well cited and has an appreciable H Index. He is an editorial member of many Journal of repute. He is scientist par excellence. Dr Kishan has been instrumental in getting many research grants. He has guided many M. Pharms and Ph.D Scholars to successful completion of their work. He is elected fellow of Telengana Academy of Sciences - 2016, State Meritorious Teacher - 2015 from Telengana State and has been DAAD fellow of Research. Germany many times for short durations since 1990. His major contributions is research have been in Biotechnology and in Drug Delivery. He is an industry consultant and a scientist - 2017.

Dr. Veerabrahma keep up the good work. APTI congratulates you.
The Association of Pharmaceutical Teachers of India (APTI) extends a hand of applause and appreciation to the APTI Woman of the Year Dr. Shobha Rani R. Hiremath. She is the Professor and Principal at Al-Ameen College of Pharmacy, Bangalore. Born on 24th June, 1964. Appointed at Al-Ameen in 1986 and ever since she has been strengthening Al-Ameen in various capacities. She is the Editor in Chief of Indian Journal of Pharmacy Practice and has attended as an active member many of the APTI Conventions. Her publications count is about to touch 100. She has authored many books. Presentations of research work and cultural exchange has been her major interest and she touches 150 on this count.

She has guided many researchers to further their interest. Responsible and instrumental in setting up Dept. of Pharmacy Practice at Al-Ameen. Which goes on to become the study centre for institutes who wanted to start the Pharm D course.

She has received the prestigious Dr. Mumtaz Ahmed Khan Award for Distinguished Community Services in 2012.

An Innovator and an entrepurner. Powerful yet gentle face of women in Pharmacy Teaching. APTI recognises the services of Dr. Shobha Rani R. Hiremath and appreciate all her efforts in successfully shaping her career and making all women pride.
Dr. A. Rajasekaran, IPER's Principal of the Year Award - 2017. Association of Pharmaceutical Teachers of India (APTI) feels honoured in conferring the prestigious award. Dr. A. Rajasekaran is a thorough gentleman, a man of chemistry from BITS, Pilani. He is a Principal of KMCH College of Pharmacy, Coimbatore. Active participant in many of the APTI Conventions. A teacher, a Leader and a researcher. Widely traveled. Has almost 100 research papers to his credit. Dr. A Rajasekaran has published many books which are widely in use. He is a prominent figure in many national and international conferences. Has many patents to his credit. He has guided many M. Pharma and is instrumental in getting many research grants for his institute.

He is a leader beyond compare and is a true contributor to the Pharmacy Profession. Calm and passionate of his work. APTI congratulates the young and the dynamic leader. Good luck and best wishes.
The Association of Pharmaceutical Teachers of India (APTI) feels happy to bestow upon Dr. Amit Kumar Goyal the APTI Young Pharmacy Teacher of the Year Award, Professor and head Dept. of Pharmaceutical at ISF College of Pharmacy, Moga. Born in 1979. The young architect is a crusader and a gentle but firm teacher. A man from Sagar University and has been with ISF Moga since long. He is credited with many talents. A teacher to the core, a researcher, editor, presenter and above all a wonderful human being. He has more than a core worth of grants to his credit. He has nearly 10 patents. Is a recognised guide and has many students blessed with his problem solving ability.

He has been awarded as Best Teacher in 2013 by Punjab Technical University and as a Young Scientist in Biotechnology by MP Council of Science and Technology.

He is a Life member of many federating bodies and has been a speaker of many important sessions / workshops. He is a consultant, researcher and very appreciable teacher.

APTI feels honoured in conferring the Young Teacher Award - 2017 on Dr. Amit Kumar Goyal.
The Association of Pharmaceutical Teachers of India (APTI) Confers upon Dr. Sunil S. Jalalpure the most prestigious Pharmacy Teacher of the Year Award for the year 2017. Bharathi Vidyapeeth Deemed University Poona College of Pharmacy has constituted this award through APTI. Dr. Jalalpure is a Professor at KLE Academy of Higher Education and Research College of Pharmacy, Belagavi, Karnataka. Born in 1974 this young genius has done exceptional work in research and as a teacher. Dr. Jalalpure is a post doc from Rhodes University, South Africa and is working with KLE College since 1998.

He is an active member of APTI. Dr. Jalalpure has nearly 100 papers to his credit in journal of repute. The h Index is 16 and I index 26 with extensive citation of his publications.

He is the Associate editor of journal of Natural Remedies. He has authored the text book on Biotechnology.

Dr. Jalalpure has widely traveled and has almost 75 presentation to his credit. He is receipient of STARS Award in 2017 for excellence in Academic Research and has received Young Pharmacy Teacher Award - 2012 by APTI. He has rendered many Community Services. He is an innovative researcher and has contributed a lot to the profession. He has delivered many lectures as a resource person.

APTI wishes Dr. Sunil S. Jalalpure a very bright future.
Association of Pharmaceutical Teachers of India
Headquarters: Bangalore

Late Smt. Kamla Ben Vavia
Memorial Award for the outstanding contributions
to APTI.

Dr. Shailendra Saraf

APTICON
22nd APTI National Convention
24th March 2018
Lloyd institute of Management and Technology
Greater Noida