Greetings for Pharma Fraternity!

I am delighted to write the editorial highlighting the efforts of APTI national team. Association of Pharmaceutical Teachers of India is an organization working continuously since its inception to promote excellence and innovations in the pharmacy profession, teaching and learning for all. Current membership includes more than 10,000 Pharmacy teachers involved in educating future manpower of the country. Recent team 2016-2019 has been fortunate to get the opportunity to celebrate Golden Jubilee year of the association by documenting the journey since 1966. The prominent achievements which stood out were:

- The 69th Indian Pharmaceutical Conference was successfully organized and was attended by the largest number of eminent personalities and delegates in the past two decades. The young, enthusiastic and energetic minds of pharma professionals highly appreciated the organization for this event.

- As we all know “the change is the only constant in life”; this was proven by the past president team as they made prominent structural changes in the association. They made provisions for five zonal vice presidents rather than two which lead to brainstorming policy decisions resulting in the enhancement of teachers’ participation from every corner of the country.

- The team set the model for pharma organizations on how the teamwork with a healthy culture can be maintained and percolated in an existing system.

- The team promoted and encouraged equal opportunities and space for women. For instance, the release of APTI women forum bulletin portrayed the outstanding work of women professionals.
About 35 students of pre-final year (third year, sixth semester) of NIMS Institute of Pharmacy, NIMS University, Jaipur, Rajasthan visited Amol Pharmaceuticals Pvt. Ltd. (USFDA and AYUSH approved) on 17 April, 2019.

The objective of this visit was to help the students for the better understanding about the functioning of pharmaceutical industry.

Mr. Ravinder Kumar Sood, Assistant Vice President & HR of Amol Pharmaceuticals interacted to the students and gave information about the functioning, manufacturing processes, formulation and research development of the industry.

The students gained the knowledge about formulation, evaluation and packaging of nutraceuticals and also they interacted with the scientists, and research associates working in the Lab and gave information to our students about the selection of carrier path in different departments of industry.

It was a very much effective approach towards academic-industry relationship. This visit provided a minimalistic contribution to the learning process of research and development in pharmaceutical industry.

Lastly, I would like to convey a message to the entire teaching community of the country that we have to make –

“SWASTH BHARAT SAMARTH BHARAT”

INSTITUTIONAL NEWS

Dr. Ravindra Pal Singh, Principal, NIMS Institute of Pharmacy, Mr. Prashant Singh, Mr. Mohit Sharma (Coordinator industrial visit) Mr. Shambaditya Goswami (Assistant Professor), Mr. Ranjeet Kumar (Assistant Professor) and the whole institute, were very much thankful to Amol Pharmaceuticals to give the chance and made the visit successful.

The institute was thankful to Dr. B.S.Tomar, Chairman for allowing the visit for the betterment of the students.

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A Patent Information Centre, Haryana State Council for Science & Technology, Department of Science & Technology, Government of Haryana sponsored and Society of Pharmaceutical Education & Research (SPER) supported National Seminar on ‘Global Aspects of Intellectual Property Rights on Research Methodology’ was organized at MM School of Pharmacy, Maharishi Markandeshwar University- Sadopur-Ambala on 19th April, 2019. Guest of Honor (s) Dr. G. D. Gupta, Director, ISF College of Pharmacy, Moga (Punjab) and Dr. Rahul Taneja, IPR Scientist, Haryana State Council for Science &
Technology, Panchkula inaugurated the programme by lighting the lamp. In their inaugural address, they deliberated on the event’s theme along with citing benefits of patent, copyright, trademark etc. Dr. Harish Sharma, Honorable Vice-Chancellor, Maharishi Markandeshwar University-Sadopur congratulated and welcomed everyone to the seminar. Dr. Manish Sharma, Chief-coordinator welcomed delegates and enlightened students on the event’s theme. Prof. Raman Gupta (Registrar) Maharishi Markandeshwar University-Sadopur encouraged students to take part in this kind of programme. Fruitful lectures were delivered by eminent speakers such as Mr. Ashish Sharma, IP-Nation, New Delhi and Dr. Amit Sharma, ISF College of Pharmacy, Moga (Punjab) and they focused on different aspects of intellectual property rights. Delegates along with students of various states across the country participated in the seminar. An online quiz competition was also organized. In valedictory function, Mr. Govind Sharma, Ex-Chief, National Research Development Corporation (NRDC), New Delhi was the Guest of Honor. He talked about importance of IPR and motivated students to participate in such types of seminars. Certificates were also distributed to the winners and participants. At the end, Dr. Rupesh K. Gautam, Programme Coordinator, presented vote of thanks to management, organizing committee members and students.

Oriental College of Pharmacy [OCP], Sanpada, Navi Mumbai organized and inaugurated ‘Prof. Javed Khan Annual Lecture Series’. In line with the set objectives of Oriental Education Society and Oriental College of Pharmacy, OCP instituted Annual Lecture Series named ‘Prof. Javed Khan Annual Lecture Series’ as a respect and affection for our President Sir. Ms. Ruchi Singh, Co-Founder & Chief Technical Officer, Cerelia Nutritech and Founder Director, Relicus Healthcare Pvt. Ltd. was resource speaker and shared her research expertise in the lecture titled ‘Young Researchers’ Guide For Successful Project Completion’. The august event was attended by M. Pharm. students. Principal Dr. Sudha Rathod welcomed resource speaker and thanked Programme Co-ordinator, Dr. Mrs. Pradnya Palekar-Shanbhag, Professor & Head, Pharmaceuticals Department for initiating the event. The vote of thanks was extended by Dr. Mrs. Pradnya Palekar-Shanbhag and specially expressed sincere gratitude towards College Management for supporting this endeavour. The Lecture Series will invite experts, researchers, educationists and academicians whose expertise in the field of Pharmaceuticals would assist to advance pharmaceutical sciences and pharmacy practice in all settings and upgrading standards of pharmacy professional services. Prof. Javed Khan Annual Lecture Series will include several modules and elements to facilitate articulation of views on greater research among students and faculty. The Principal, Programme Co-ordinator and Organizing Committee thanked Prof. Javed Khan, President of Oriental Education Society and Mr. Waseem Khan, Managing Director for their strong support to organize such successful event.

Department of Pharmaceutical Science & Technology Satna (M.P.) has organized 1-Day National Conference on “Recent Advances in Pharmacovigilance in Drug Discovery & Development” and International Keynote Lecture Session on “Environmental Pharmacovigilance” In Association with Indian Pharmacopoeia Commission (IPC)- GHAZIABAD, Ministry of Health and Family Welfare, Govt. of India, New Delhi & Society of Pharmacovigilance-India (SoPI) 12 April 2019. Around 525 participants – comprising research scholars, under graduate and post graduate students and faculty members from Pharmacy, Science, Nursing 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 were Dr. G.N. Singh, Secretary-cum-Scientific Director, Indian Pharmacopoeia Commission, Ghaziabad. The special guests of the session were Shri Shobhit, Deputy Drugs Controller Food and Drugs Administration, Madhya Pradesh, Dr Kenneth White, Molecular Biosciences for the School of Human Sciences, London Metropolitan University, ENGLAND, Dr. Jai Prakash, Senior Principal Scientific Officer, Indian Pharmacopoeia Commission, Ghaziabad, Dr. Balakrishnan S, Prof and Head Pharmacology, All India Institute of Medical Sciences, Bhopal, MP, Prof. P.K. Banik, Hon’ble Vice-Chancellor, AKSU, Dr. Harshwardhan, Pro Vice-Chancellor (Dev.). Dr. Syed Ziaur Rahman, Secretary, International Association of Medical Colleges, USA & Secretary, Society of Pharmacovigilance, India & Prof. Arun Shrivastava, Medical superintendent, Gandhi Medical College hospital, Bhopal, and Professor & Head, Department of Pharmacology, GMC, Bhopal.

Dr. G.P. Richariya, Dean, Life Sciences, AKS University & Dr. Surya Prakash Gupta, Head, Department of Pharmaceutical Science & Technology & Organizing Secretary were also present on the stage. Dr. G.P. Richariya welcomes the guest & delegates. Organizing Secretary 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. Dean, Life Sciences, proposed the Vote of Thanks.

The inaugural keynote lecture was delivered by Dr. G.N. Singh, Secretary-cum-Scientific Director, Indian Pharmacopoeia Commission, Ghaziabad & Shri Shobhit, Deputy Drugs Controller Food and Drugs Administration, Madhya Pradesh.

The technical session of the Conference was started with the invited talk of Dr. Balakrishnan S, Prof and Head Pharmacology, All India Institute of Medical Sciences, Bhopal, MP on Introduction of Pharmacovigilance and Drug Development, followed by the talk of Dr. Jai Prakash, Senior Principal Scientific Officer, Indian Pharmacopoeia Commission, Ghaziabad, on Development of Pharmacovigilance in India. Prof. Arun Shrivastava, Medical superintendent, Gandhi Medical College hospital, Bhopal Professor & Head, Department of Pharmacology, GMC, Bhopal delivered his talk on on Practical Challenges & Legal aspects of Pharmacovigilance.

Post lunch session started with International Keynote Lecture Session on Environmental Pharmacovigilance. The first talk was delivered by Dr. Syed Ziaur Rahman, Secretary, International Association of Medical Colleges, USA, & Secretary, Society of Pharmacovigilance, India on Environmental risk assessment in clinical trials and pharmacoenvironmentology followed by the talk of Dr Kenneth White, Professor, Molecular Biosciences for the School of Human Sciences, London Metropolitan University, ENGLAND on Environmental Toxicology. The session was followed by poster presentation session.

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, Hon’ble Pro-Chancellor & Chairman, AKS University, Satna. Special guests of the session were Dr Kenneth White, Molecular Biosciences for the School of Human Sciences, London Metropolitan University, ENGLAND, Dr. Jai Prakash, Senior Principal Scientific Officer, Indian Pharmacopoeia Commission, Ghaziabad, Dr. Syed Ziaur Rahman, Secretary, International Association of Medical Colleges, USA & Secretary, Society of Pharmacovigilance, India & Dr. Harshwardhan, Pro Vice-Chancellor (Development), AKS University. Dr. G.P. Richariya, Dean, Life Sciences, AKS University & 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 dispensed after enjoying high tea. The Conference was successfully coordinated by teaching members namely Dr. (Mrs) Madhu Gupta, Mr. Ankur Agarwal, Mr. Pradeep Tripathi, Ms. Neha Goel, Mrs. Priyanka Namdeo, Mrs. Rashmi Bagri, Mr. Prabhakar Tiwari, Ms. Priya Dwivedi, Ms. Saby Saudagar, Ms. Kajal Dwivedi, Mr. Nawal Singh, Mr. Manoj Dwivedi, Mr. Pradeep Singh, Mr. Sumit Pandey. Organizing Secretary, LOC summarized the events of National 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 Organizing Secretary.
Maharishi Markandeshwar University-Sadopur encouraged participants to take part in this kind of programme for enhancing innovations in teaching methodology. Dr. Srinivasa K G, Professor and Er. Amardev Singh, National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh delivered their lectures on the theme and enlightened participants about various innovative teaching methods, digital pedagogy, challenges in classrooms in present scenario. Delegates from various states across the country participated in the programme. Certificates were also distributed to the participants. In valedictory function, Dr. Rupesh K. Gautam, Organizing Secretary, presented vote of thanks to Management, Organizing Committee members and delegates.

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School of Medical and Allied Sciences, GD Goenka University, Sohna, Gurugram organized its 2nd National Conference, entitled “Recent Advances and Challenges in Healthcare” (REACH) on 16th March, 2019, which aimed at the cognitive structures of the many strands of healthcare discourse that needs to be interrogated in order to seek a rationale of better human health and productive society. The visionary theme for the conference was “Exploring the Greener Avenues in Healthcare”, wherein the conference engrossed a vicinity of conscious discussions among the scientific community along with unparalleled collaborative opportunities between a large pool of healthcare professionals, both from academia and industry. Around 700 students and faculty members participated in the conference and accelerated the joyous spirit of the event. The event was graced by Prof. (Dr.) B. Suresh,
In the gracious presence of galaxy of dignitaries, unveiling of the conference's proceedings and release of the Book, jointly edited by Prof.(Dr.) Rohit Dutt, Associate Dean, School of Medical and Allied Sciences, GD Goenka University; Dr. Anil Sharma, Assistant Professor, GD Goenka University and Mr. Raj Keservaniwas done amidst the spirited cheer of the audience.

The Conference was constituted of multifold Technical Sessions and 14 proficient speakers, aiming to render a better understanding of the conference’s theme and academic aesthetics. The First technical session constituted of a Panel Discussion on ‘Need of Herbal Pharmacovigilance’, whose moderator was Mr. Kuldeep Chauhan, Senior Project Leader, Clinical Research Operations, Medanta, and the skilled panelists were, Prof. (Dr.) M.C. Gupta- Senior Professor and Head, Department of Pharmacology, PGIMS, Rohtak; Dr. Shashank K Singh, Principal Scientist, CSIR-Indian Institute of Integrative Medicine, Canal Road, Jammu; Dr. Nipun Patil; Dr. Godwin Newton, Assistant General Manager, Shri Baidyanath Ayurveda Bhawan Pvt. Ltd., Allahabad. The panel discussion culminated with an informed thought that there must be a stringent regulation about the safe and efficient use of Herbal Pharmaceuticals at widespread level.

Second Technical Session included a stimulating talk on ‘Global Perspectives of Indigenous System of Medicines (Herbalism) in Current Era’, by Dr. Anil Kumar Sharma, Vice President, AIMIL Pharmaceuticals India Ltd. He briefed about the plants used as medicine, their herbal formulations and their benefits on the human body. He enlightened our students about the Ayurvedic system of medicine and deconstructed many myths regarding this.

Third Technical Session was a Hands on Training Session on ‘Microwave Assisted Synthesis: Instrumentation and Application’, by Mr. Sultan Singh, Product Manager, Anton Paar India Pvt. Limited. The working of this instrument was demonstrated in detail by Mr. Sultan Singh. Students got a concretely integrated idea about the working and operational procedure of this instrument and alongside understood the application of this instrument in the pharmaceutical arena.

Fourth Technical Session was Hands on Training Session on
"Viscometry: Instrumentation and Application", by Mr. Rahul Sharma, Product Specialist, Anton Paar India Pvt. Limited. Inquisitive students took full participation in the hands-on training program and showed their interest in understanding the basic functioning of the instruments. Through this hands-on training session, they were bestowed with the opportunity to learn outside the realms of the scheduled classrooms.

Alongside, Poster presentation session and oral presentation session was also observed and diligently instructed by the Academic and Scientific committee of the University, wherein some thought-provoking ideas were harmoniously executed in their efforts done for the same.

During Diet and Nutrition track, the chairperson for first technical session was Dr. Pooja Sharma, Senior scientist, Medanta Institute of Education and Research. Dr. Neerja Hajela, Head (R & D) Yakult India Private Limited delivered a lecture on "The Role of Micro Biome and Probiotics in Health & Disease". She also briefed the students about the association of gut flora in prevention of various common ailments and further added about research studies which proved that the intake of probiotics helps in preventing diarrhea and infections among children.

Second session was delivered by Ms. Sandhya Pandey, Chief clinical nutritionist at Fortis Memorial Research Institute, Gurgaon. Ms. Pandey gave a knowledgeable session on "Nutrition in Cardiovascular Diseases", in which she articulated about growing prevalence of non-communicable diseases and the role of varying. She also discussed about AHA/ACC guidelines on lifestyle management to reduce cardiovascular risk. Students attained an informed learning about the same and concluded the lecture with clarification of their unsettled doubts.

TECHNICAL SESSION - Physiotherapy In the Physiotherapy track, Dr. Savita Ravindra, Professor and Head Physiotherapy, M.S. Ramaiah Medical College; Dr. Kshitija Bansal, Associate Professor, Amar Jyoti Institute of Physiotherapy, New Delhi; Dr. Hema Valecha, Physical therapist at Sports Authority of India, Delhi; Dr. Akshay Arora, Head Physiotherapy Department, W-Pratiksha Hospital, Gurgaon lend productive insightful knowledge to the audience. Dr. Savita Ravindra delivered a talk on "Understanding Epidemiological Transition in India: Implications to PT Practice". This session was full of detailed information about remarkable transformation in the age pattern of morbidity and mortality, contemporaneous with structural changes in disease patterns.

Dr. Kshitiza Bansal presented a detailed study on ‘Movement for Health: A Step towards Physical Activity’, a session covering all the areas justifying the role of being physically active and its impact on the health.

Moving ahead towards another session, Dr. Hema Valecha delivered a hands-on session on Kinesiotaping technique, which gives lifelong learning to the budding physiotherapists and its implementation in their clinical practice.

Lastly, Dr. Akshay Arora enumerated some novel ideas to physiotherapy students about recently emerging medical therapy, i.e. 'Amino Neuro Frequency Therapy', and its various implications in relieving neural pain, also giving live demonstration to the students showing the effectiveness of this therapy. The Physiotherapy tracks were delivered in a wholesome manner that added academic value for all the attending physiotherapists.

Budding physiotherapist also witnessed pre-conference workshop entitled "Aqua Aerobics and Fitness workshop", on 14th – 15th March, 2019. Dr. Prachi Shah Arora, Sports Physiotherapist for Indian Swimming and Diving Team, Indian Institute of Physical Therapy, Mumbai instructed and guided the session. She started the session by rendering informative knowledge to the students participating in the workshop. The sessions included some uniquely refreshing activities like, Aqua stretches, Ai Chi, Aqua Games, Aqua Yoga, Aqua Aerobics and Aqua Choreography. The workshop channelized novel knowledge and learning about the uniquely miraculous nature of Aquatic fitness that is refreshingly significant in the contemporary scenario.

REACH, 2019 culminated with an enthralling Group Dance performance by students.

Valedictory session was chaired by Dr. Gajender Singh, Principle and Dean, College of Pharmacy, Pt. BD Sharma University of Health Sciences, Rohtak. Cheerful applauding of the winners of the Poster session and Paper presentation was witnessed, whose reach and cognitive acumen was acknowledged by the University with a distinguished award - the 'Best Paper and Poster Presentation' award Dr. Anil Sharma, Organizing Secretary presented Vote of Thanks to all the stakeholders for their support and contribution in organizing REACH-2019.

The journey of REACH 2019 might have come to end, but its enlightening essence will be once again felt and shall be merrily embraced to deliberate and disseminate more knowledge and to fathom future research discourse, while navigating the many idiosyncrasies of Health Sciences.
Further Mr. Sandip S. Jagtap demonstrated and gave hands on training on Dissolution tester with 21 CFR compliant and NMR Spectrophotometer and its software operation.

Resource persons from Labindia highlighted the key concepts of 21 CFR compliance and demonstrated various advanced pharma instruments during 2 days of workshop.

Total 41 delegates participated in the workshop. Delegates had a real-time exposure of 21 CFR complaint advanced pharma instruments. The experience and learning of the sessions were acknowledged by the delegates.

The workshop was coordinated by Dr. (Mrs.) N. S Ranpise, Professor, SCOP and Mr. S. K. Mandlik, Asst. Professor, SCOP under the guidance of Principal, Dr. K. N. Gujar.

The two days national level workshop on “Data Integrity: Compliance with GMP and Regulatory Requirements” and “hands on training and learning of 21 CFR Compliant Advanced Pharma Instruments” was organized by STES’s, Sinhgad College of Pharmacy (SCOP), Vadgaon (Bk), Pune in collaboration with Labindia Analytical, Mumbai during 25th and 26th April 2019.

Workshop was inaugurated by Mr. Sandip S. Jagtap, Product Manager, Labindia Analytical, Mumbai, Mr. Anand Patil, Area Manager, Labindia Analytical instruments, Pune and Dr. K. N. Gujar, Principal, SCOP.

In the scientific sessions, Mr. Anand Patil highlighted on product range and applications of 21 CFR complaint advanced pharma instruments of Labindia Analytical. Mr Sandip S. Jagtap highlighted on data integrity, audit trail and ALCOA of data integrity.

Mr. Sandip S. Jagtap explained and demonstrated in detailed FTIR application in API and Polymer chemistry and 21 CFR compliant UV Spectrometer.

Dr. Shardul Kulkarni, Application Specialist, detailed and demonstrated Microwave Synthesis along with application in Medicinal Chemistry.

On the second day sessions like Dissolution testing and application in QC with 21 CFR data integrity and Benchtop NMR Spectrophotometer its application in Medicinal Chemistry were conducted by Mr. Sandip S. Jagtap, Product Manager, Labindia Analytical, Mumbai.

It is a milestone in the history of Narayana Pharmacy College, Nellore to have successfully launched ISPOR-Narayana Pharmacy College Student Chapter (ISPOR NPC SC), the 3rd in Telugu states and only one in Asia-Pacific region. The inaugural ceremony was preceded by the Director of Narayana Engineering and Pharmacy Colleges Dr. A V S Prasad, Principal Dr. K. Harinadh Baba, Vice-Principal Dr. Sk. Karimulla, Executive committee members of ISPOR-NPC SC including faculty advisor- Dr. K. Arun Chand Roby, President- Y. Praveena, Secretary - D. Vishnu Priya and Treasurer- K. Ravi Kiran of ISPOR NPC SC, Dr. S. Sujatha, Head- Department of Pharmaceutics, Dr. P. Yanadaiah, Head of the Department Pharmacy Practice Narayana Pharmacy College successfully launched ISPOR NPC SC. The inaugural ceremony was followed by a 2 day international conference on Health Economics and Outcomes Research organized by ISPOR NPC SC at Gray’s lecture hall, Narayana Medical College Nellore. Around 600 Pharm. D, B. Pharmacy student and faculty delegates from different colleges and Universities actively participated in the conference. The first day sessions were led by the renowned speakers Dr. Mohan Raj Rathinavelu, ISPOR Asia consortium group mentor and
Cocurricular activities form the core of student’s life. Students of Jaya College of Pharmacy, Thiruninravur actively participated in National level seminar on “Emerging Trends in Pharmacy Career” organized by K.M.

Department of Pharmacy Practice, KLE College of pharmacy college, Belagavi conducted a Training programme on “Community Pharmacist as DOTS Provider” in Association with District Tuberculosis centre, Belagavi and Regional office of the Deputy Drugs controller, Belagavi. Community pharmacist, Druggist, Retailer, Chemist from Belagavi city are participated. Before training programme 350 Druggists, Retailers, Chemists were preliminarily surveyed across Belagavi city for awareness of tuberculosis burden in India. The preliminary survey of data includes availability, non availability of Anti-Tuberculosis drugs, dispensing pattern of Anti-tuberculosis drugs, Community pharmacist who are interested to become treatment supporter of RNTCP-DOTS.

Wellcome Address by Dr. Uday kumar R, Ph.D Research. Introduction of guest, aim of training programme and presentation of project work of survey data those community pharmacist willingness to become treatment supporter of RNTCP-DOTS. Inauguration and followed by Dr. BM Patil, Principal, KLE College of Pharmacy, Belagavi had given presidential remarks on importance of training programme to eradication of tuberculosis from India. Chief Guest Dr. Shailaja Tammannavar, District Tuberculosis control officer, Belagavi had Addressed the training programme and followed by training. Training of community pharmacist includes on emphasized on new guidelines for developed for detection and financial support from state and central Government. Burden of tuberculosis in India, There is a huge role on community pharmacist for eradication TB. Incentives for community pharmacist and can also become treatment support from RNTCP Drugs. Importance community pharmacist involving in PPM (Public private partnership) to eradicate TB from India. Deepak N Gaikwad, Deputy Drug controller, Regional office of the Deputy Drugs Controller, Belagavi. had given a speech on Community pharmacist should be strengthened to fulfill the vision of RNTCP Programme to eradicate TB from India. We will give the permission for treatment support for RNTCP Drugs to store in community pharmacies for convenient of tuberculosis patients and to increase the adherence of Anti-tuberculosis drugs. He also addressed community pharmacist must be united to eradicate TB. Raghuram NY, Assistant Drug controller, Regional office of the Deputy Drugs Controller, Belagavi. Addressed that emphasized on MDR-TB and steps to be taken to prevent and eradicate TB. He assured that Drug controller Department will assure to become community pharmacist as treatment supporter of RNTCP Drugs. Dr. Karadiguddi, Retired DTO also shared his experience on tuberculosis control and care in India. 100 community pharmacist are attended the training programme including students of KLE college of Pharmacy also participated in the training Programme.

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Associate Professor, RIPER Ananthapuram and Dr. K. R. Johnn, Department of Community Medicine, Apollo Research Center, Chittoor. The eminent speakers talked on the significance of pharmaco and health economics in fabricating cost effective quality medication among various communities. Dr. Johnn presented his research activities in collaboration with international researchers with emphasis on Tuberculosis, Leprosy. An interactive session towards the end of day 1 by Dr. Ramana from Cancer Research Institute Bengaluru inspired the delegates. Day 2 of the conference began with a key note talk by Dr. Muhammed Rasheed, ISPOR student chapter faculty advisor, Adichunchagiri College of Pharmacy, Bengaluru. He stressed on Pharmacoeconomics in health care. In the afternoon session, Mr. Badari Narayan, Founder of S3V vascular technologies Mysore elaborated on cost-effective production of cardiac medical devices in view of proliferating Cardiac Vascular disorders among different communities. Dr. SP Rao, Dean Narayana Medical College Hospital graced the valedictory ceremony. The dignitaries appreciated the proficiency of brimming pharmacists for their excellence in oral and poster presentations. The galaxy of speakers were felicitated for sharing their profound knowledge paving way to the successful accomplishment of the conference. Overall, the scientific sessions were enlightening and informative.

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College of Pharmacy, Madurai on 30.3.2019. This seminar generated a deep interest and scientific aptitude was inculcated in student’s minds at an early stage of education and it is the need of the hour to exhibit the ideas of scientific education system in order to develop the potential of individuals and student communities so that sustainable development through Pharmaceutical Education could be achieved. S.Vinoth II B.Pharm, won first prize in Oral presentation, S.Indrani, II B.Pharm won best Model presentation guided by Ms. R.Gowri, Associate Professor, Department of Pharmaceutics and G.Baskar of IV B.Pharm won first prize in E-Poster presentation guided by Mr.M.Magesh, Associate Professor, Department of Pharmaceutical Chemistry. It was prime honour that our students won Overall Trophy and Prof.A.Maheswaran, Principal congratulated them for their fruitful success and the co-curricular activities will allows a platform for the student to nurture passion and try out new things apart from their studies.

Sports are pivotal physical activities that provide freedom from the stress and worries. Jaya College of Pharmacy encourages students to increase their physical activity to improve their health. K.Monica of IV B.Pharm bagged Third prize in Javulin Throw in Intercollegiate Sports Meet organized by The T.N.Dr.MGR Medical University, Chennai held at "Periyar College of Pharmaceutical Sciences" Trichy. Principal Prof. A. Maheswaran congratulated the student and Sports Co-ordinators Ms. R.Gowri, Associate Professor, Department of Pharmaceutics and Dr.P.Balaji, Prof & Head, Department of Pharmacology for the victory. He mentioned that sports is not only a great way to unite diverse groups of people, but they are also a great source of inspiration and entertainment.

Every good thing comes to individuals who endeavor their best to accomplish them throughout life. Jaya College of Pharmacy motivates the students to build skills and reach grade-level expectations in extracurricular activities. P.Nandhini, R.Maheswari and T.Tanamani Jenifer of II B.Pharm won First prize in Centrica Pharma Youtube Contest on the topic "Formulation of Polyherbal Soap". S.Vinoth of II B.Pharm won Third prize on the topic "E-Cigarettes" guided by Ms.R.Gowri, Associate Professor, Department of Pharmaceutics. Principal Prof.A.Maheswaran congratulated the students and mentioned that extracurricular activities will enable to groom the students for future leadership.

5th International Yoga Day with theme "Climate Action" was celebrated in DPSRU on 21 June, 2019 at G.K. Narayanan Auditorium. The celebration was started with lamp lighting. The Chief Guest of the day was Dr. Anil Jain who is presently working as Yoga Guru and Health Advisor in Central Govt. of India. The Guest of Honours was Dr. Arun K. Aggrawal (BOG Member), Dr. R.C. Deka (Ex-Director, AIIMS, New Delhi) and Mr. K.S. Popli (Ex-MD, IRDEA). The Registrar of University Prof. Harvinder Popli addresses the crowd with the guests. Honourable Vice Chancellor, DPSRU, Prof R. K. Goyal enlighten the importance of practicing Yoga in daily life and journey of beginning of
The incubations range from providing economical cold chain solutions, air pollution monitoring device, prosthetic limbs, an innovative disinfectant and much more. The innovations are step by step moving in the direction of their success under the inspiring guidance of Prof. Ramesh K. Goyal, Vice Chancellor and leadership of Prof. Dr. Harvinder Popli, Director DIIF & Dean DPSRU.

In order to strengthen the innovation pipeline, have interdisciplinary approach & meet the technical specifications of the prosthetic limbs innovative product, an MOU was signed between DIIF, IIT Delhi, Rotary Club Delhi Central (RTDC) and Rotary Divyang Kendra (RDK). The type 1 prosthetic limb has been designed & tested by the incubate along with the collaborations from RDK. However further modifications & technicalities will necessitate collaboration with suitable partner.

IIT Delhi provided the perfect avenue for partnership under the leadership of Professor Naresh Bhatnagar, IIT Delhi. The MOU was signed by the honorable Vice Chancellor DPSRU Prof. Ramesh K. Goyal, Prof. Dr. Harvinder Popli, Director DIIF & Officiating Registrar & Dean DPSRU, Prof. Naresh Bhatnagar, IIT Delhi, Mr Sunil Jain, President Rotary Club, Delhi Central & Mr Rakesh Jain, President Rotary Divyang Kendra. Mr Kuljit Singh Popli, President Elect of the Rotary Club Delhi Central also graced the occasion & partnered to take this partnership forward for the cause of beneficiaries of this collaboration.

The young incubate Mr Jitin Kumar, who is working tirelessly to create this product for the Divyang people made an impressive product presentation to the esteemed gathering.

The second MOU that was signed on 27th May 2019 day was the collaborative effort to provide exceptional leadership, mentoring & funding enablement through the strength of PHD Chamber. This MOU was signed to enable the incubates experience & gain through the wide network of businesses under the aegis of PHD Chamber. The MOU was signed by the Secretary General of PHD Chamber on 27th May 2019 & was then endorsed by Mr Sanjay Agarwal, Vice President, PHD Chamber & Dr Jitender Singh, Director, Start-ups at the PHD Chamber. The able leadership & the guidance of Prof. Ramesh K. Goyal, Vice
Ramesh K. Goyal, Hon’ble Vice Chancellor, DPSRU gave the presidential address to the students and shared his vision for the university.

The session was continued with the brief introduction about the course by Sports Digitalization and Performance Management coordinator Mr. Anshul Bagai. Followed by the brief introduction and scope of cosmetics in market by Offg. Chief Operating Officer and Beauty and Wellness consultant coordinator, Dr. Madhu Gupta.

These collaborations mark the first step to reach bigger heights for DIIF & would lead to the fulfillment of aspirations of DPSRU & DIIF to create a world class innovation & incubation centre in the field of healthcare, pharmaceuticals & wellness.

The orientation programme is an opportunity for any student to learn, how to navigate this campus and will introduce World Class Skill Centre courses such as Beauty and Wellness consultant, Sports Digitalization and Performance Management, Sports Fitness and Yoga Application. Orientation can be used to build a network of resources that will help students and their parents to start their journey in better manner on the right path. Orientation Programme for WCSC students was organized by Delhi Pharmaceutical Sciences and Research University, on 29nd April 2019.

The program started with lamp lightening ceremony by the esteemed dignitaries of the University, followed by welcome address by Prof. Harvinder Popli, Officiating Registrar & Dean, and DPSRU. Prof. Harvinder Popli, Director DIIF & Dean & Officiating Registrar, DPSRU made this collaboration possible for team DIIF.

Mr Sanjay Agarwal, Vice President, PHD Chamber shared various benefits of this promising collaboration between DIIF & PHD Chamber & how this partnership will benefit the young entrepreneurs & make them future ready to step into the market with their products.

These collaborations mark the first step to reach bigger heights for DIIF & would lead to the fulfillment of aspirations of DPSRU & DIIF to create a world class innovation & incubation centre in the field of healthcare, pharmaceuticals & wellness.

Periyar College of Pharmaceutical Sciences, Tiruchirappalli, TamilNadu celebrated International Yoga Day on 21st June 2019 with full of zeal and enthusiasm. Dr. T. Shri Vijaya Kiruba, NSS Programme Officer welcomed the gathering and Prof. Dr. R. Sentharamai, Principal presided over the function. Mr. S. Chinmayan, Yoga Master was the Chief Guest of the programme. He deliberated about the benefits of yoga in life. He added that Yoga is simple, easy and accessible to all. Persons of every age group can do yoga smoothly according to their ability. There is no special tool or equipment needed to do yoga, just a small space is required. Yoga guarantees not only health but also fitness. Also he guided the participants in performing different Asanas and explained their

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The main objective of the Faculty Development Programme (FDP) is to make significant deliberations on cutting edges, and to facilitate, support and strengthen the practice of pharmacy profession with global standards for imparting quality and rational patient care.

The AICTE sponsored FDP was chaired by Prof. Dr. Y Padmanabha Reddy (Programme Coordinator and Principal - RIPER), co-chaired by Dr Mohanraj Rathinavelu (Organizing Secretary and Joint Coordinator, Associate Professor – Department of Pharmacy Practice RIPER), Dr B Pradeep Kumar and Mr G Narayana (Coordinators, Members Organizing Committee, Associate Professor, Department of Pharmacy Practice - RIPER); the faculty development programme was attended by 40 faculty delegates and research scholars from renowned and reputed pharmacy institutions across the nation.

Prof Dr Hemachandra Reddy (Ex Registrar and Professor, Department of Mechanical Engineering, JNT University Anantapur and Engineering College, Ananthapuramu), and Prof Dr T.K. Ravi (Professor and Principal, College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore), were the chief guest for the invocation and valedictory of the faculty development programme.

The faculty development programme was well organized with speakers of eminence, who made deliberations on cutting edges in pharmaceutical sciences education, research and practices. The speakers panel comprised of Prof Dr T.K. Ravi (Head-Department of Pharmaceutical Analysis, CoP SRIPMS, Coimbatore), Prof Dr Chandramouli (Head-Department of Quality Assurance, Krupanidi College of Pharmacy, Bangalore), Dr MG Rajanandh (Assistant Professor, Department of Pharmacy Practice, Faculty of Pharmacy, Sri Ramachandra Academy of Higher Education, Chennai), Mr Krishna Undela (Lecturer, Department of Pharmacy Practice, JSS Academy of Higher Education, Mysuru), Dr Hariharandha Sharma (Consultant Pathologist, Head-Department of Pathology, RDT Hospital, Bathalapalli), Dr Raghu Prakash Reddy Nayakanti (Medical Microbiologist, Head-Department of Microbiology, RDT Hospital, Bathalapalli), Dr Vigneshwaran Easwaran (Assistant Professor, King Khalid University, UAE) and Mr D Anil Kumar (Assistant Professor, Department of Humanities and Sciences, SRIT Ananthapuramu).

Raghavendra Institute of Pharmaceutical Education and Research (RIPER) Autonomous, Ananthapuramu, Andhra Pradesh., India

The Department of Pharmacy Practice, Raghavendra Institute of Pharmaceutical Education and Research (RIPER) Autonomous, Andhra Pradesh organized Two Weeks Faculty Development Programme (FDP) sponsored by All India Council for Technical Education (AICTE), New Delhi on “New Strategies and Advancements in Good Pharmacy Practice to Facilitate Regulatory Pharmaceutical Care to Patients” from 10th to 23rd June, 2019 held at RIPER.

importance in daily life. Dr. A. M. Ismail, Emeitus Professor graced the occasion. Mr. K.A. S. Mohammed Shaifeeq, Secretary, Periyar Health Club proposed vote of thanks. Teaching & non-teaching faculty and students were full of exuberance and participated to make this event a grand success.

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The In-house resource person from Raghavendra Institute of Pharmaceutical Education and Research (RIPER) Autonomous Dr Mohanraj Rathinavelu, Dr P Ramalingam, Mr G Narayana, Dr B Pradeep Kumar, Dr B Sahithi, Dr C Haranath, Mr Yohesh and Mr Ravishankar.

Sri Vijay Vidyalaya College of Pharmacy, Nallampalli, Dharmapuri along with APTI Tamilnadu Branch and The Tamilnadu Dr MGR Medical University Celebrated World Environment Day at Sri Vijay Vidyalaya College of Pharmacy, Dharmapuri.

Dr. K. L. Senthilkumar, Principal welcomed the gathering and Thiru DNC Manivannan, Chairman and Deepak Manivannan, Director briefed and explained the importance and objectives of Environmental Awareness among students and public.

Dr. Murugesan, Professor and Head, Dept of Environmental Science, Periyar University, Salem, Chief Guest of the function explained the role of Environmental Scientists on Society and safety of the globe from Environmental hazards. Also he explained the role played by students on Environmental Awareness, Climate change, Air Pollution and risks in detail and also he detailed that how it can be prevented by students and public by their active participation. Thiru. Vikaraman. A gave his Vote of Thanks.

In continuation of the same Dr. Murugesan, DNC Manivannan, Chairman and students planted trees to save the earth in College Medicinal Garden.

Sinhgad College of Pharmacy, Sinhgad College of Architecture, Pune and Central Library STES has jointly organized 5th International day of Yoga celebration with the students, staff and people staying nearby Vadgaon and Ambegaon campus on 21st June 2019 from 7:30 to 9:30 a.m. as part of AICTE, SP Pune University and Government of India initiative.

The session involved inspirational and thought provoking lecture, free demonstration and training to more than 120 participants. The session was inaugurated at the hands of Dr. Kishore N. Gujar (Principal, SCOP, Pune) and Mr. Krishna Dhan Das (President, ISKCON, Nasik). Welcome speech and key note address was given Dr. Kishore N. Gujar, where he elaborated various aspects of Yoga in day to day life. Resource person, Mr. Krishna Dhan Das discussed what is yoga, Need of yoga especially in current scenario, importance of Yoga at physical, emotional, mental, intellectual and spiritual levels. He also discussed about link of yoga with own self, society and the God.

Further Yoga expert Dr. Hemant Kumar Jain trained participants according to Common Yoga Protocol 2019 published by the Government of India. He trained Chalan Kriyas, Asanas, Kapalbhati, Pranayamas and Meditation to develop the personality of students and staff and to make a healthy society by preventing life style disorders. All participants made a resolution to practice and preach Yoga in their day to day life. In the end of session Vote of thanks was given by Mrs. Shobha Shetti [SCOA].

Sri Vijay Vidyalaya College of Pharmacy, Nallampalli, Dharmapuri along with APTI Tamilnadu Branch and The Tamilnadu Dr MGR Medical University Celebrated World Environment Day at Sri Vijay Vidyalaya College of Pharmacy, Dharmapuri.

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In continuation of the same Dr. Murugesan, DNC Manivannan, Chairman and students planted trees to save the earth in College Medicinal Garden.
Alzheimer’s disease is a progressive brain disorder which is a very serious and a threatening condition in human beings. As per recent estimation, it is ranked as third disorder after heart disease and cancer in the world. It is a most common cause of dementia among older adults especially at the age between 60-68 years and finally causes death. This disease is placed brain where initial damage appears in the hippocampus (the part of the brain essential in forming memories). As more neurons die, additional parts of the brain are affected and slowly brain begins to shrink and finally widespread in whole brain and causes Alzheimer. From the damaged area and dying nerve cells, the neurofilament light protein spills out into the cerebrospinal fluid and then travels into the bloodstream and hence the blood levels of neurofilament light are higher in people with diseases. Therefore measuring blood levels of neurofilament light can identify Alzheimer’s disease long before and predict the symptoms.

**Key words:** Alzheimer’s disease, blood test, old age people, Symptoms.
with blood test to detect Alzheimer’s that predict the disease 10 years before symptoms occur with 100% accuracy. Researchers from the National Institute on Aging are focusing on a protein in the brain called IRS-1 that may signal the earliest stages of Alzheimer’s. One test uses fats in the bloodstream to predict the disease within three years with 90% accuracy, while the other blood test examined blood proteins and was able to predict the onset of dementia within a year with 87% accuracy. Recently other type of test is carried out by looking at a single protein in the brain called IRS-1, which plays a critical role in insulin signalling in the brain and is commonly defective in people with the disease.

The University of Otago is also revealed another blood marker for diagnose this disease through a simple blood test. Researchers found that participants with a small number of molecules found in the blood and brain called micro RNAs which correctly detect Alzheimer’s with 86% accuracy. They found that three microRNAs were different between the two groups and detecting these micro RNAs would be possible through a simple blood test when they diagnosed with the disease, as well as neurologically healthy individuals. Hence this test helps to detect the presence of Alzheimer’s as well as to find early signs of the disease, before symptoms appear to the person.

Conclusions

Alzheimer’s disease is complex disease of brain but any one drug or other intervention may successfully treat this disease. Various approaches focus on helping people maintain mental function, manage behavioural symptoms, and slow down memory loss. Researchers are trying to develop therapies, treating with different herbal extracts for targeting specific genetic, molecular, and cellular mechanisms so that the actual underlying cause of the disease can be stopped or prevented. As per recent research, initial blood test helps to identify the symptoms of Alzheimer’s so that easy to resist with medication. Still many more research needs for solid evidence for the diagnosis of the same.

References

Dr. Wakale Vijaykumar Sidramappa currently working as Associate Professor, Department of Pharmaceutical Chemistry at Sharadchandra Pawar College of Pharmacy, (Dunbarwadi), Otur, Pune, Maharashtra has been awarded the Degree of Doctor of Philosophy (Ph. D.) in Faculty of Pharmacy by Pravara Institute of Medical Sciences (Deemed to be University), Loni, Ahmednagar for his research work entitled "Design and synthesis of some novel Heterocyclic compounds of Thiadiazoles, Triazoles and other heterocycles of Biological Interest". He has carried out his research work under the guidance of Dr. Nandal D. H., Professor and Head, Department of Pharmacology, RMC, Loni, Ahmednagar. He has 11 years of teaching experience and has published more than 16 research articles in several National and International journals and also guided 2 M. Pharm students.

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Mrs. Azmath Unnisa Begum was awarded the degree of Doctor of Philosophy (Ph. D) in Pharmaceutical Sciences by Osmania University, Hyderabad, Telangana for research work entitled "Evaluation of Certain Indian Medicinal Plants for Antihyperglycaemic Activity". She carried out her research work under the joint guidance of Dr. Sama Venkatesh, Professor, G. Pulla Reddy College of Pharmacy, Hyderabad and Dr. D. Jaya Prakash, Professor Osmania University, Hyderabad. She has 12 years of teaching and 5 years research experience. She has published 10 research articles in national and international journals of repute. She has attended and presented research works at various international and national conferences. She is a life member of APTI and ISP. Presently, she is working as a Associate Professor at Deccan College of Pharmacy, Hyderabad.

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Arifa Begum SK, Associate Professor Avanthi Institute of Pharmaceutical Sciences, Guntapally, Hyderabad, has been awarded the Degree of Doctor of Philosophy (Ph.D) from Institute of Pharmaceutical Sciences, Sri Padmavati Mahila Visvavidyalayam, Tirupati. She has carried out her research work entitled "Synthesis and Evaluation of Azapeptides" under the guidance of Prof. K.Bharathi, IPT, SPMVV, Tirupati. She has 11 yrs of teaching experience and has published 25 articles in various National and International Journals. She is the life member of APTI and guided 15 M. Pharmacy students.

She sincerely acknowledges the help and support of her esteemed guide, beloved parents SK Rafi Ahmed Kidwai and Azeezunnsa Begum. She is especially thankful to her friends Dr. D Sujatha and Dr. Shaheen Begum Assistant professors, SPMVV and her university for the constant support.

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KUDOS

Dr. L.S.Sharma working as a Director at Sir Madanlal Institute of Pharmacy, Etawah, Uttar Pradesh has been conferred with "Best Academician Award (Pharmaceutical Sciences)" in an international conference at Vivanta by Taj Guwahati, Assam, India on June 09, 2019 from the hands of Prof. (Dr.) Dhiraj Bora, Vice-Chancellor, Assam Science and Technology University (ASTU), Guwahati and in the gracious presence of distinguished dignitaries from Zimbabwe Dr. Justine Chinoperekweyi, Dr. Mohammad Fazil Sabri from Malaysia, Dr. Dilshad Ahmad from University of Alberta Canada, Md. Shamim Mondol from Daka, Dr. Shyamala Nagendran Naidu from Malaysia, Dr. Tarun Kanti Ghosh from University of Tripura, Dr. Habibur Rehman Organizing Secretary of the conference and many more.

Earlier to this honor, Dr. Sharma has been conferred with prestigious
in NIRF 2019 all India ranking. He has more than 32 years of teaching, research and administrative experience including two years of National Technical Officer at World Health Organization Country Office for India. He is a regular columnist for newspapers and pharma magazines, and has several popular text and reference books. His research publication is cited as reference by the Planning Commission of India and popular articles are in WHO database. He has coordinated many continuing professional development programmes for pharmacy teachers and pharmacists. He is a trainer in medicine supply chain management, pharmacoeconomics, rational use of medicines, and pharmacovigilance related areas. He has delivered more than 140 invited lectures at various National and International events. He is the recipient of Best Researcher Award of Annamalai University in 2012 and IAPST Pharmaceutical Scientist of the Year 2015 Award.

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Somashekhar M Metri, Assistant Professor, PG Research Guide and Author Department of Pharmaceutical Chemistry, BLDEA'S SSM College of Pharmacy and Research Center was felicitated for his book fourth semester entitled Medicinal Chemistry, published by international publisher weser from Germany by Dr MD Salahuddin, BOS Chairman Rajiv Gandhi University of Health Sciences Bangalore and BLDEA'S administrative officer Dr R V Kulkarniand Principal, Dr N V Kalyane and Local governing body President Shri Guddodagi.

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Dr. Bhupinder Singh Bhoop, Professor at the University Institute of Pharmaceutical Sciences (UIPS), and Coordinator, UGC Centre for Excellence in Nano Biomedical Applications, at Panjab University (PU), Chandigarh, has recently been awarded with ‘Pharmaceutical Quality by design (QbD) Excellence Award’ by M’s Shengjie Business Management & Consulting Co. Ltd., Shanghai, during a two-day

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Dr. Swarnalata Saraf, Vice Prisident, APTI interaction meeting to sensitize the teachers of professional contribution and enlighten the APTI objectives with officials of APTI, Jharkand Branch.

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Professor Guru Prasad Mohanta has assumed the office of Head of the Department of Pharmacy at Annamalai University with effect from 1st May 2019. The Department of Pharmacy of Annamalai University is a pioneer pharmaceutical education and research centre with 12th position in NIRF 2019 all India ranking.
Pharmaceutical Industry Internationalization Strategy Summit held on 16th–17th May 2019 in Shanghai, China. Professor Bhoop has been bestowed upon with the coveted award for his exemplary and seminal contribution towards steering pharmaceutical industry across the globe on various QbD paradigms. The entire expenditure incurred on his international and domestic air travel, conference registration and logistic arrangements in a hotel for four days was also borne complimentarily by the conference organizers. Over 500 participants and resource persons from USA, Canada, India, China, Singapore and beyond participated in the Summit. On this occasion, Professor Bhoop also delivered a one-hour expert talk on the topic, ‘Omnipresence of QbD during Product Lifecycle: Quality Excellence Precedes Federal Compliance’.

It is quite pertinent to add that Professor Bhoop has delivered over 300 invited talks in India and overseas, including USA, Canada, UK, Germany, China, Thailand, Hong Kong, Kuwait, Dubai and Bangladesh primarily on QbD. He holds the unique distinction of having duly trained several hundreds of industrial scientists under his direct guidance, esp. on QbD. He has earned to his credit over 360 original publications (nearly with 150 exclusively on QbD), 15 books, five patents and tech-transfers of two nanostructured drug delivery technologies to pharma industry. He has handled 16 research projects fetching research grants of 6.10 crores from Government and corporate sectors, and guided/guiding nearly 100 research scholars including 31 doctoral, and 6 post-doctoral researchers primarily on QbD-based scientific research in developing novel nanomedicines.

His work on QbD-oriented pharmaceutical research has already fetched Prof Bhoop with numerous awards & accolades like, QbD & Product Performance Award 2012 & 2013 (AAPS, USA), QbD Excellence Award 2013 (CPhI Asia), Outstanding Scientist Award 2014 (SelectBio, UK), QbD Product Performance Award 2015 (Stat-Ease, USA), Scientist Par Excellence Award 2016 (Minitab Inc, UK), and many more.

Prof. Dr. R. Senthamarai, Principal, Periyar College of Pharmaceutical Sciences, Tiruchirappalli, Tamil Nadu has been conferred with “Award of Excellence in Education” on the occasion of National Convention on Vitiligo organized by the Leucoderma Awareness Movement - India on 23rd June 2019 at St. Joseph’s College, Tiruchirappalli for her relentless achievements in academia. Earlier she received the ‘Munnodi Pennmani’ award from Bharathidasan University, Tiruchirappalli and ‘Women Achiever’ award from Tamil Nadu Progressive Women Advocates' Association, Tiruchirappalli consecutively during 2017 and 2018. All these credentials have been bestowed in recognition of her exuberant performance throughout her career over 30 years in Periyar organizations both in academics and for the welfare of the society especially for her interest towards the womenfolk for their upliftment and wellbeing.

Ms. T. Indhumathi, student of Periyar College of Pharmaceutical Sciences, Tiruchirappalli, Tamil Nadu secured State First Rank in Final B.Pharmacy University Examinations held in August 2018 and received a Gold Medal and “Prof. K. Chinnaswamy Endowment Award” during the 31st Convocation held on 29th June 2019 from The Tamil Nadu Dr. M.G.R Medical University, Chennai. Thiru. Banwarilal Purohit, Hon’ble Governor of Tamil Nadu and Chancellor of The Tamil Nadu Dr. M.G.R Medical University presented the Gold Medal and Certificate of appreciation. Thiru. V. Ramasubramanian, Chief Justice of the High Court of Himachal Pradesh was the Chief guest and Dr. C. Vijayabaskar, Hon’ble Minister for Health & Family Welfare and Dr. Sudha Seshayyan, Vice - Chancellor graced the occasion. The Management, Principal, faculty and students of PCPS congratulated the student for her outstanding performance.
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Printed & Published by: Miracle Media Prints on behalf of Association of Pharmaceutical Teachers of India.
Sir Alan Lloyd Hodgkin
(5 February 1914 – 20 December 1998)

was an English physiologist and biophysicist, who shared the 1963 Nobel Prize in Physiology or Medicine with Andrew Huxley and John Eccles.

Dr. Kuntal Das,
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