



**MAEER's
Maharashtra Institute of Pharmacy,
Pune - 411038**

Activities conducted during the Academic Year 2012-2013

Seminar and conferences:

Sr. No.	Topic of Conference	Level	Date	Amount Sanctioned
01	Patents and art of writing scientific articles in pharmaceutical research	State	9 th October 2013	15,000/-
02	Drug discovery – Past, Present and Future	National	10 th – 11 th October 2013	50,000/-

Summary report of 'Patents and art of writing scientific articles in pharmaceutical research' conducted on 9th October 2013:

Conference on 'Patents and art of writing scientific articles in pharmaceutical research' was conducted on 9th October 2013 at MAEER's Maharashtra Institute of Pharmacy, Pune.

Prof. Dr. M. D. Burande, Mr. Ganesh Hingmire, Dr Pravin Shejul and Mr. Prashant Patankar have been invited for the conference. Conference was inaugurated at the hands of **Prof. Dr. M. D. Burande**, President APTI-National and principal Siddhant college of pharmacy, Pune. Dr. B. S. Kuchekar, Dr. A.R. Chabukswar and Mr. Ganesh Hingmire were on dias. **Dr. B. S. Kuchekar**, Convener and Principal of the conference in his speech welcomed all the guests and participants. He has explained the need of conducting the conference on patents. He said that institute has created platform to discuss various opportunities and challenges in filing the patents. **Dr. M. D. Burande** in his motivational speech pointed out that as an Indian we have potential to become Pharma Superpower in 2020. He said we have a good team of dedicated academician, scientist who can contribute for the development of research and development in the field of pharmaceutical sciences. We need to file more and more patents on the technology which we develop. Patent filing is an essential component of research. He expressed his opinion that we will be in position to compete for global research and development in pharmaceutical sector with the help of huge potential and team work.

Mr. Ganesh Hingmire, GMGC, Pune, in his talk presented the statistics of patents in pharmaceutical sector. He said that academic institutes along with industry should form a strong network of research to file maximum patents to strengthen research. His talk was well appreciated by the audience.

Dr Pravin Shejul Head, Asst General Manager, Wanbury Ltd, Mumbai discussed about various forms of the patents and issues for filing the good patent. He has explained some case studies for filing the patent. He has presented his views on effective patent filing.

Mr. Prashant Patankar, R. K. Dewan & Co. Pune in his talk discussed with some case studies what way patents should be drafted and what care should be taken in drafting the patent. **Dr. A. R. Chabukswar** presented vote of thanks. Dr. A. R. Chabukswar and Dr. A. M. Baheti worked as coordinators. Conference received huge response. Total 110 participants have attended the conference.



(Left to Right: Dr. Wadhai, Dr. B. S. Kuchekar, Dr. M. D. Burande, Dr. A. R. Chabukswar)

Summary report of Drug discovery – Past, Present and Future conducted on 10th – 11th October 2013

Conference on Drug discovery – Past, Present and Future was **conducted on** 10th – 11th October 2013 at MAEER's Maharashtra Institute of Pharmacy, Pune. Eminent speakers and experts working in the area of drug discovery have been invited to discuss issues in the discovery process. Dr. B. S. Kuchekar, Convener and Principal welcomed all the resource persons and delegates. He has pointed out the need of concentrating on research and innovation in Pharma filed to emerge as a global leader in drug discovery.

On 10th October 2013 following speaker enlightened audience with their views.

Mr. Rajesh Kshirsagar, Executive Vice- president, Microlabs Advance Research Centre, Banglore inaugurated the conference. In his speech ha has taken overview of drug discovery process. He suggested that people from academics and industry should work together for strengthening the drug discovery process.

Dr. Nilesh dagia, Piramal Discovery Solutions, Mumbai, has given an informative speech on 'Facet of drug discovery and development in USA & India'. In this speech, he has explained various aspects and methods of drug discover & development in USA and India followed by question answers session. He has mentioned that drug discovery process is a long journey which needs interdisciplinary work. He also mentioned that research productivity of Pharmaceutical companies is declining nowadays but Indian Pharmaceutical companies have tremendous opportunities for growth in future.

Dr. M. G. Kulkarni URDIP, CSIR Unit, Pune addressed the gathering with the objective that whatever is your brain child one should be able to protect the right of its utility to the world. In his talk he enlightened the assembly by coating different examples on patent and patent law; he made the student understand the value of patents and its role in drug discovery and future of patents and its co relation with present and future scenario of drug discovery.

Dr. Vijay Shastri, Director, Murli Krishna Pharma, Ranjangaon, Pune, Starting with the very basic concepts like what is research, Basic research and applied research, Dr. V. Shastri

illustrated the key steps in Pharma research. He also explained various phases involved in drug discovery. By giving very precise and interesting examples in drug discovery he made the session very interactive and informative. He also explained mechanism and structure activity relationship for few drugs. He emphasized on contribution of Indian Scientist in Pharma research. In conclusion he gave some important suggestions that research should be always supported with analytical work. Simple analytical techniques should be used where ever possible and complex analytical techniques must be used where ever required.

On 11th October 2013 following speaker enlightened audience with their views on drug discovery.

Dr. Swapnil Yerande, Group Leader, Acoris Research Ltd., Pune. Dr. Yerande discussed about a case study of JANUVIA™ (Sitagliptin) in light of drug discovery process. He has elaborated on the exact process which is followed in the industry for drug discovery. He has reviewed various case studies with reference to drug discovery and medicinal chemistry. His talk was appreciated by the audience.

Dr. Ashok Giri, Plant Molecular Biology Unit, National Chemical Laboratory, Pune Dr. Giri discussed on the topic Plant secondary metabolites: Sources of diverse functional units for myriad application. He has given practical applications of biotechnology for the community. He has shared valuable information about role of biological system in drug discovery process. **Dr. A. A. Natu**, Indian Institute of Science Education and Research (IISER), Pune. Emphasis was given mainly on the some approaches of drug discovery like combinatorial chemistry, Biotechnology and High through put screening. Dr. Arvind A. Natu fluently and simply explained drug discovery process needs. He has pointed the need for rapid drug discovery process. He significantly compared advantages of combinatorial chemistry approach over conventional synthesis. He took example of diversity oriented synthesis of 1, 2, 3- Triazole fused Tricyclic Nucleosides and glycosides along with Sharpless Reaction example i. e. synthesis of 1, 2, 3- Triazole fused teracycles on carbohydrates derived azido alkynes. He also focused on protein based drug discovery and genetic polymorphism. He concluded his lecture with personalized healthcare. **Dr. A. R. Chabukswar** presented vote of thanks. Dr. Swati Jagdale, Prof. M. S. Wani and Prof. S. A. Polshettiwar worked as coordinators. Conference received huge response. Total 135 participants have attended the conference.



(Left to Right: Dr. B. S. Kuchekar, Dr. R. Kshirsagar, Dr. Nilesh Dagia, Dr. J. Khandare)