

GTU/MPH/RW/2015/679/1945

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## **Review of Day-01 of 5<sup>th</sup> Research Week – 2015** **of Faculty of Pharmacy**

**5<sup>th</sup> Annual Research Week-2015** (RW-2015) of faculty of Pharmacy is organized at Gujarat Technological University (GTU) from 18<sup>th</sup> February to 28<sup>th</sup> February 2015. During this RW-2015, total 1120 M. Pharm students and 80 PhD students will be reviewed by eminent experts from academia and industry from state level, National level and International level.

On 18<sup>th</sup> February 2015, Wednesday, inaugural ceremony of RW-2015 has been organized from 9.30 AM. **Dr. Manish A. Rachchh**, Associate Professor of GTU has given welcome speech. **Dr. C. N. Patel** and **Dr. Tejal Gandhi**, Dean of Faculty of Pharmacy, GTU have discussed about objectives of RW-2015 and briefed about guidelines of experts. **Shri J. C. Lilani**, I/c Registrar of GTU welcome all stalwart of Pharmacy profession to come down at the platform of GTU and wish that their expert comments will helpful to all M. Pharm and PhD students to improve their research work. **Honb. Dr. Akshai K. Aggarwal sir**, Vice Chancellor of GTU in his presidential speech emphasized all experts to scrutinize each thesis very carefully and urged not allow any poor grade research done by any student. He also suggest all experts to suggest top reputed conference and research journals to PhD students, so that they should do publication in quality research journals only.

After morning oral review exam (10.00 AM to 1.00 PM), this time each M. Pharm students have to present their research work in form of Poster (2.00 PM to 3.00 PM), which is evaluated by invited industrial expert or external experts. Today 120 students have presented their poster presentation and 08 experts have did review of the same.

After poster evaluation two (02) expert workshop, which include one for Pharmaceutics and another for Quality Assurance branch has been organized during 3.00 PM to 5.00 PM. All M. Pharm students have actively participated in this workshop too. Brief details of workshop conducted is as per below:

## 1) Workshop -01 (Pharmaceutics)

**Dr. J. Thimmasetty**, Professor & HOD, Bapuji Pharmacy College, Karnataka

He has delivered a talk on "**Polymorphism in pharmaceutical solids**".

**Abstract:** A polymorph is a solid material with at least two different molecular arrangements giving distinct crystal species. These differences disappear in a liquid or vapour state. Of concern are their relative stabilities. The highest melting species is generally stable, others are metastable and convert. There are also large differences in their physical properties so that they behave as distinct chemical entities. Polymorphism is remarkably common, particularly within certain structural groups, pharmaceutical substances are not exceptional for this. More details about polymorphs, structures, properties, and characterization will be discussed.

*“In my 20 year of experience this is the first time, I am observing any University conducting ‘Research week’!!! This is a novel idea. Many senior teachers are called across the country to share their knowledge with the students. Ultimately post graduate students take the benefit of the presence of experienced teaches. As far as the arrangement of GTU for this program is concerned, all the members of the team have taken active participation. I appreciate everyone in this aspect. Travel arrangement, food arrangements, seminar arrangement, etc are good. This type of program should continue which in future remain as model for other university.”*

**- Dr. Thimmasetty about RW-2015 of GTU**



## 2) Workshop -02 (Quality Assurance)

**Dr. Veeresh P. Veerapur**, Sree Siddaganga College of Pharmacy, Tumkur - 572 102, Karnataka, INDIA

He has delivered a talk on “**Drug Discovery and Development process: Emphasis on Analytical tools**”

### **Abstract**

In the present scenario the discovery of new drug is very essential as emergence of newer disease conditions viz., Ebola, H<sub>1</sub>N<sub>1</sub> or development of complications/resistance in existing disorders (Cancer, diabetes etc.). Drug discovery and development is a very complex process, requires lots of time (10-17 years) and money (approximately 800 million dollars) to reach one drug into the market, and also challenging because of fierce competition between different drug companies. Pharmaceutical R&Ds are making involvement of over 100 different disciplines as a part multi-disciplinary team to achieve this goal. Analytical department play a very important role as it involved in almost all sections of drug discovery and development process. This presentation will be emphasis on the different analytical tools useful in the discovery and development of drug-like candidates from synthetic, semisynthetic and natural origin. Also importance of herbal standardization in routine quality control process will be discussed. Overall, how one can use analytical tools with careful observation in routine laboratory experiments will fetch newer horizons in research.

*“This is my third visit to GTU as an expert examiner. I am feeling good to be in the campus and interacting with GTU students. The custom of hospitality arrangement of scientific deliberations are very high standard. I felt very glad about the system of examination and reviewing of students research work. This is only University in India where mid sem-review will be conducted at regular basis and very systementaly to impart research scrutiny which allow the overall development. I will congratulate the Hon’ble Vice-Chancellor Dr. Akshai Aggarwal sir and Dr. Manish Rachchh and other official for their effort in this regards.”*

**- Dr. Veerapur about RW-2015 of GTU**

