

Report: Symposium on Advancement in Dental Materials

Dental materials are biomedical materials used in the field of dentistry. Dental materials are of various types and are classified on the basis of their intended purpose. Each dental material should have two main characteristics i.e. compatibility with oral tissues, as well as longevity. These materials are used in dental restorations (fillings, crowns, bridges), endodontic materials (used in root canal therapy), impression materials, prosthetic materials (dentures), dental implants, and many others. Dental materials are imported from other countries which accounts for increase in the expenditure as the import duty structures in Pakistan for dental materials are 20% on CIF value with 15% sales tax on material. It has been noted that in Pakistan the dental restorative materials are not synthesized which may be due to lack of awareness and expertise. The local market is receiving a bulk of dental restorative from China (20%), Europe (10%) and USA (30%).

The **Symposium on Advancement in Dental Materials (SADM)** has been successfully organized by Dental Material Group of Interdisciplinary Research Centre in Biomedical Materials at COMSATS University Islamabad, Lahore Campus. Three main objectives were set to achieve from this symposium, 1) Identify the gaps in research of dental materials between academia and dental clinicians, 2) Explore new areas of research in dental materials 3) provide low cost and high-quality dental solutions in Pakistan. The symposium was headed by worthy **Director Prof. Dr. Qaiser Abbas**. He highlighted the achievements, offered programs and future planning for COMSATS University Islamabad, Lahore Campus. He welcomed all the speaker and participants. Six speakers, one from UK and others from Pakistan highlighted various aspects of dental materials and methodology to be adopted in improving the dental solutions at Pakistan and other countries. **Prof Dr. Ihtesham Ur Rehman** Reader in Biomaterials, University of Sheffield UK overviewed the Perspective of Dental Materials. **Dr. Asim Habib Vohra** gave an overview of the Preventive Measures in dentistry, with an emphasis on developing diagnostic dyes from plants. **Dr. Shoaib Younus** cited the utilization and properties of various Bio-Materials used in Oral Surgery. **Dr. Farhan Ahmad** gave a talk on the importance of growth factors and the use of piezo-surgery as an alternative method for minimum invasive surgery. **Prof. Dr. Ghulam Qadir Fayyaz** gave an account of the scientific coordination among hospitals and Cleft-lip and palate patients. He also highlighted various materials that can be prepared and utilized

within Pakistan. **Dr. Saeed Ur Rahman** shared his findings on Molecular Mechanism of Nanomaterials-Induced Differentiation of Dental Pulp Stem Cells “Applying biological regulation to controlling clinical outcomes”. The participation of dental professionals from throughout the Pakistan included students and early career dentist. This symposium led to the very useful and highly valuable discussions between the researchers at IRCBM and the participating clinicians. Through this platform the linkage among dental clinicians and IRCBM faculty developed. Both parties agreed to work in conjunction and cooperation towards the identification of low cost materials and work together on fabrication and applications in Pakistan. Many collaborative projects also started from this symposium which in near future will result in development of many new prototypes.

Here, are some of the highlights of the SADM 2018.





Symposium on Advancements in Dental Materials

Interdisciplinary Research Centre in Biomedical Materials



COMSATS University Islamabad, Lahore Campus

30 July, 2018

Since 2008, IRCBM has been playing a pioneering role in translational research and development of materials for clinical applications. Dental materials (DM) is a major thrust area at IRCBM. The DM group of IRCBM is pleased to invite you to its one day interactive symposium on advancement in dental materials (SADM).

SADM 2018 will focus on (but not be limited to)

- Knowledge creation to identify gaps between academia and clinicians in dentistry
- Enabling Clinicians and scientists to understand reciprocal needs & their translation into lab activity
- Exploring new areas of research in dental materials
- Providing low-cost high-quality dental solutions and end reliance on expensive imports
- The role of advanced 3D printing and composite scaffolds in dentistry

SADM 2018 - Details

Limited Seats are available

Registration Deadline: July 15, 2018

Registration Fee: Free

Symposium Timing: 9:00 am to 1:00 pm

Location: IRCBM COMSATS University, Lahore Campus, Lahore, Pakistan

INVITED SPEAKERS



Dr. Saeed Ur Rahman
PhD Dental Sciences (Korea)
Postdoc (USA)
Asst. Prof. IRCBM, COMSATS



Dr. Farhan Ahmad
BDS, BDS, Implantologist,
Associate fellow AAND,
Siddique Dental Surgery Lahore



Dr. Ghulam Qadir Fayyaz
Prof. of Plastic Surgery
Services Institute of Medical
Sciences, Services Hospital, Lahore



Dr. M. Asim Habib Voltra
BDS, Implants
Laser Dentist, Lahore



Dr. Shoaib Younus
BDS, FDS (OMFS)
Prosthodontics &
Operative Dentistry, CMH

Symposium Secretariat

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