

**PROCEEDINGS OF WORKSHOP
ON
PROCESS AND ENGINEERING**



**ON SATURDAY JUNE 22, 2019,
KARACHI**

**REPEATED ON
SATURDAY JULY 06, 2019, LAHORE**



OFFICE BEARERS OF PAKISTAN SOCIETY OF SUGAR TECHNOLOGISTS 2018-2019

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PROCEEDINGS OF WORKSHOPS

ON

**SUGAR INDUSTRY AND
ENVIRONMENTAL CHALLENGES**

HELD AT

MOVENPICK HOTEL, KARACHI

On June 22, 2019

AND

FALATTI'S HOTEL, LAHORE

On July 06, 2019

PREFACE

As an important part of my duties as General Secretary PSST it is a pleasure to present the proceedings of Technical Workshop on process and engineering held at Movenpick Hotel and Hotel Falatti's on 22nd June and 6th July, 2019 in Karachi and Lahore respectively. There is an ongoing debate on the environmental impact created by the sugar and its allied industries. Therefore, it was decided to hold a one day workshop on the

“SUGAR INDUSTRY AND THE ENVIRONMENTAL CHALLENGES”

I would like to specially thank Mr. Faizullah Abbasi– Vice Chancellor Dawood University of Engineering & Technology and, Mr. Muhammad Awais Qureshi- Former President PSST for agreeing to preside over the sessions of workshops at Karachi and Lahore, respectively.

Thanks are due to Syed Iqbal Ahmad Rizvi – former Vice President PSST and Mr. Zahid Mahmood Qureshi – General Manager Layyah Sugar Mills the current President PSST, the key note speakers at Karachi and Lahore, respectively.

I am also thankful to the all other speakers for their valuable Presentations. Finally my thanks are due to all the participants who were engaged in productive exchange of ideas and experiences during the workshops on this vital issue.

SANAULLAH

General Secretary-Treasure

FROM EDITOR'S DESK

The purpose of organizing these Workshops is to engage sugar industry professionals working at middle and lower levels along with the seniors in an in depth debate on a selected matter of common concern that poses a challenge to the smooth functioning of sugar making process and formulate practical recommendations for bringing about improvement in that particular area within the factories.

The topic for this Workshop was

“SUGAR INDUSTRY AND THE ENVIRONMENTAL CHALLENGES”

I feel immense pleasure and satisfaction on the realization that the Presentations on the occasion should have transferred useful knowledge and ideas of the Presenters to the professionals.

I would like to express thanks especially to the keynote speakers who generously shared their expertise with the professionals.

Thanks are also due to thank Mr. Faizullah Abbasi– Vice Chancellor Dawood University of Engineering & Technology and, Mr. Muhammad Awais Qureshi- Former President PSST for agreeing to preside over the sessions of workshops at Karachi and Lahore, respectively.

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Pakistan Society of Sugar Technologists

AN ORGANIZATION TO PROMOTE THE KNOWLEDGE & PRACTICE
OF SUGAR TECHNOLOGY & KINDRED BRANCHES OF SCIENCE

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TECHNICAL WORKSHOP JUNE 22, 2019 AT MOVENPICK HOTEL, KARACHI. (BALLROOM-B)

TIME	SESSION
08:00 AM	REGISTRATION OF DELEGATES
10:00 AM	GUESTS TO BE SEATED
CHIEF GUEST	MR. FAIZULLAH ABBASI Vice Chancellor - Dawood University of Engineering & Technology
10:00 AM	RECITATION OF HOLY QURAN
10:10 AM	NAAT RASOOL-E MAQBOOL (SALLALLAH ALAIH WASSALAM).
10:10 AM	WELCOME ADDRESS BY PRESIDENT
10:30 AM	KEYNOTE SPEAKER
10:50 AM	Syed Iqbal Ahmed Rizvi, (Ex- vice President PSST)
10:50 AM	CONTROL MEASURE FOR WASTE WATER REDUCTION AND QUALITY IMPROVEMENT
11:10 AM	Mr. Israr Ahmed Jafri, (Director Production) Habib Sugar Mills Limited.
11:10 AM	QUESTION, ANSWERS & DISCUSSION
11:20 AM	SUGAR INDUSTRY AND ENVIRONMENTAL CHALLENGES
11:40 PM	Mr. Sikandar Khan, (DGM -Technical) Army Welfare Sugar Mill.
11:40 PM	QUESTION, ANSWERS & DISCUSSION
11:50 PM	REFRESHMENT
12:10 PM	

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TECHNICAL WORKSHOP JUNE 22, 2019 AT MOVENPICK HOTEL, KARACHI.(BALLROOM-B)

12:10 PM **MANAGING SUGAR-MILL LIQUID EFFLUENT TO ZERO DISCHARGE, A CASE STUDY OF MEHRAN SUGAR MILLS LIMITED**

12:40 PM Mr. Sanaullah, (General Manager-Factory Operations)
Matiari Sugar Mills Limited.

12:40 PM **QUESTION, ANSWERS & DISCUSSION**
12:50 PM

12:50 PM **ENVIRONMENTAL CHALLENGES IN SUGAR INDUSTRY AND SOLUTIONS**

01:10 PM Mr. Usman Majeed, Environmental Adviser

01:10 PM **QUESTION, ANSWERS & DISCUSSION**
01:30 PM

01:30 PM **LUNCH & PRAYER**
03:00 PM

03:00 PM **SUGAR INDUSTRY AND ENVIRONMENTAL CHALLENGES**

03:20 PM Mr. Muhammad Farhan Arooj, Environmental Adviser

03:20 PM **QUESTION, ANSWERS & DISCUSSION**
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03:40 PM **A PRACTICE OF ENVIRONMENTAL BENEFITS OF SUGAR INDUSTRY**

04:00 PM Dr. Shoukat Mazari (Asstt. Prof. Chemical Engineering Deptt. & and Director -Post Graduate studies)

Dawood University of Engineering & Technology.

04:00 PM **QUESTION, ANSWERS & DISCUSSION**
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