

# MY PRESENTATIONS AT SUGAR INDUSTRY WORKSHOPS & CONGRESSES



Sugarcane Bud-Chip Nursery



Sugarcane Bud-Chip Plants



Planting using a Water-Wheel Planter



Cane Diffuser



Induced Draft Bagasse Dryer



Forced Draft Bagasse Dryer



Rotary Sulphur Burner



Ejector



A B C  
Diffuser Draft Juice Sulfited Juice Clarified Juice



Inside a Low Turbulence Clarifier



Lamella Juice Clarifier



Clear Juice from a Lamella Clarifier



Lamella Syrup Clarifier



Fluidised Bed Sugar Dryer



Below 50 IU Colour Sugar We Produce

Mullapudi Narendranath

## CONTENTS

- 1 **A New Sugarcane Planting Technique -**  
The Sugar Journal (USA), 1978 09 - 13
- 2 **Bud-Chip Method of Sugarcane Planting -**  
ISSCT Workshop On Cost Effective Mechanisation,  
(Cali, COLOMBIA), 1991 15 - 26
- 3 **Cost effectiveness of transplanting**  
**nursery raised Sugarcane bud chip plants**  
**on commercial Sugar plantations - XXI**  
Congress of the ISSCT (Bangkok,  
THAILAND), 1992 27 - 34
- 4 **Improvement of the Calorific Value Of**  
**Bagasse Using Flue Gas Drying - ISSCT**  
Energy Workshop (Berlin, GERMANY), 2002 35 - 44
- 5 **A Sugar Plant Based Co-products Operation**  
**At The Andhra Sugars Ltd. India - ISSCT**  
Co-Products Workshop (Piracicaba, BRAZIL), 2003 45 - 50
- 6 **Cane Juice Screening Trials and Use at**  
**The Andhra Sugars Ltd. India - ISSCT**  
Processing Workshop (Baton Rouge, Louisiana,  
USA), 2006 51 - 63
- 7 **Lime Saccharate Trials & Use at The Andhra**  
**Sugars Ltd. India - ISSCT Processing Workshop**  
(Baton Rouge, Louisiana, USA), 2006 64 - 64
- 8 **Effect of Clean Cane on Juice, Syrup and**  
**Sugar Colour at The Andhra Sugars Ltd.**  
**India - ISSCT Processing Workshop (Baton**  
Rouge, Louisiana, USA), 2006 65 - 74
- 9 **Filtrate Clarification at The Andhra Sugars**  
**Ltd. India - ISSCT Processing Workshop (Baton**  
Rouge, Louisiana, USA), 2006 75 - 78
- 10 **Cane Juice Sulfitation at The Andhra Sugars**  
**Ltd. India - ISSCT Processing Workshop (Baton**  
Rouge, Louisiana, USA), 2006 79 - 80
- 11 **Comparison of Diffusion and Milling at a**  
**Cane Sugar Plant - ISSCT Engineering**  
Workshop (Veracruz, MEXICO), 2006. 81 - 92

## CONTENTS

- 12 **Comparison of Diffusion and Milling at A Cane Sugar Plant - XXVII ISSCT Congress (Veracruz, MEXICO), 2010** 93 - 109
- 13 **Performance of a Louisiana Low Turbulence (LLT) Juice Clarifier - ISSCT Engineering and Factory Processing Workshop (Gold Coast, AUSTRALIA), 2011** 111 - 119
- 14 **Flotation Clarification of Mill Juice Looks Promising - ISSCT Engineering and Factory Processing Workshop (Gold Coast, AUSTRALIA), 2011** 121 - 127
- 15 **India's New Sugarcane Breeding Centre at Bangalore - ISSCT X Germplasm & Breeding Workshop and VII Molecular Biology on Sugarcane Workshop (Maceio, BRASIL), 2011** 129- 161
- 16 **Co-products Operation At A Cane Sugar Plant - ISSCT Co-Products Workshop (Bangkok, THAILAND), 2012** 163 - 174
- 17 **Key Note Address - 44<sup>th</sup> Annual Convention of The South Indian Sugarcane & Sugar Technologists' Association (Visakhapatnam, INDIA), 2014** 175 - 199
- 18 **Ejector Sulphitation of Juice & Syrup At A Cane Sugar Plant - ISSCT Joint Factory Engineering And Processing Workshops (Hluhluwe, SOUTH AFRICA), 2014** 201 - 213
- 19 **Process Improvements At A Cane Sugar Plant - Mauritius Sugar Industry Research Institute (Reduit, MAURITIUS), 2014** 215 - 252
- 20 **Mechanisation of Sugarcane Farming on Small Farms - International Conferene - IS-2014, International Association of Professionals in Sugar and Integrated Technologies (IAPSIT), (CHINA), 2014** 253 - 264
- 21 **Ejector Sulphitation of Juice & Syrup At A Cane Sugar Plant - XXIX ISSCT Congress (Chang Mai, THAILAND), 2016** 265 - 278

## CONTENTS

- 22 **Flotation Clarification of Mill Juice to Reduce Colour Looks Promising -**  
International Conference of Sugar Processing  
Research Institute (Florida, USA), **2018** 279 - 286
- 23 **Reduction in Sucrose Loss By Elimination  
of Some Stations At A Cane Sugar Plant -**  
ISSCT Factory Engineering and Processing  
Workshop, (Cali, COLUMBIA), **2018** 287- 293
- 24 **Elimination of the Juice Clarifier and The  
Vacuum Filter at a Cane Sugar Plant -**  
XXX ISSCT Congress, (Tucuman, ARGENTINA),  
**2019** 295 - 304
- 25 **Producing Below 50 IU Direct White Sugar  
at a Cane Sugar Plant -** 79<sup>th</sup> Annual Sugar  
Industry Technologists Technical Conference,  
(New Orleans, USA), **2020** 305 - 323
- 26 **Evolution Of The Sugarcane Bud-Chip  
Planting Method In India Since January  
1968.** - Cane Fest - 2022 Sugarcane Breeding  
Institute, (Coimbatore, INDIA), **2022** 325 - 341
- 27 **Mechanisation Of Planting Nursery Grown  
Sugarcane Bud-Chip Plants On Commercial  
Sugarcane Farms At The Andhra Sugars  
Limited -** Cane Fest - 2022 Sugarcane Breeding  
Institute, (Coimbatore, INDIA), **2022** 343 - 376
- 28 **Use of Lamella Clarifiers for Juice and  
Syrup Clarification at a Direct White Cane  
Sugar Plant -** XXXI ISSCT Congress (Hyderabad,  
India), **2023** 377 - 393
- 29 **Process Improvements at a Cane Sugar  
Plant -** Sugar Industry Journal, Bartens  
(Germany) **2023** 395 - 427