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WITH WASTE-TO-VALUE (W2V) DOMAIN EXPERTS

Overview of Biomass to valuable chemicals by
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NCL Venture Center

Overview of Biomass to valuable chemicals

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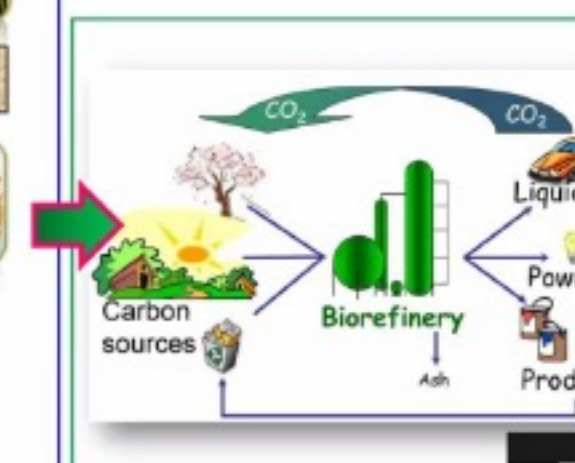
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01st October 2020

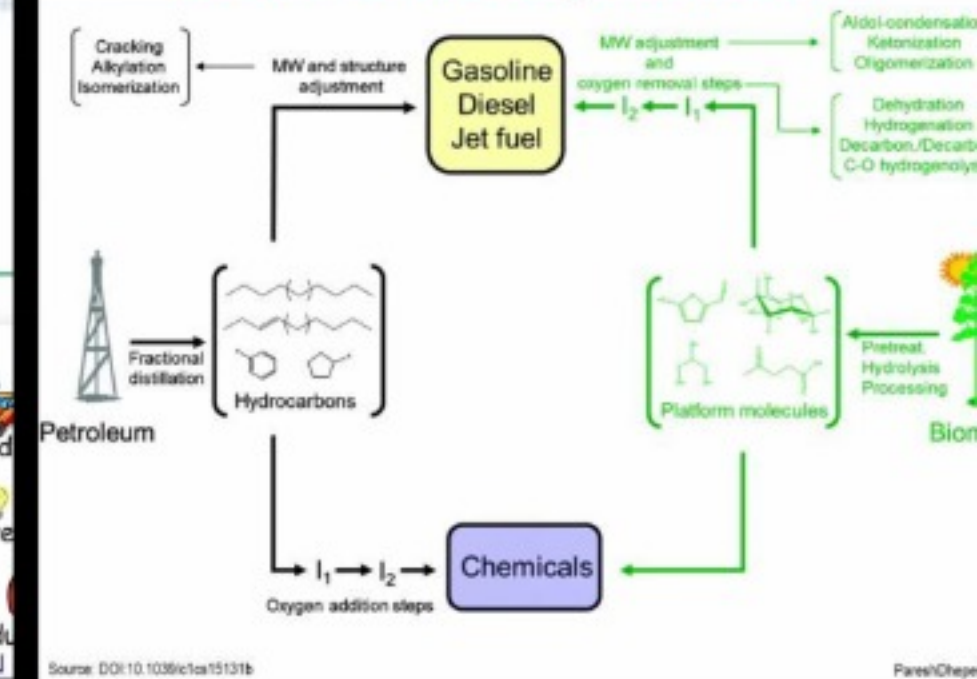
India: Agricultural country –
Once edible part is removed, non-edible part is either
used as cattle feed or burnt



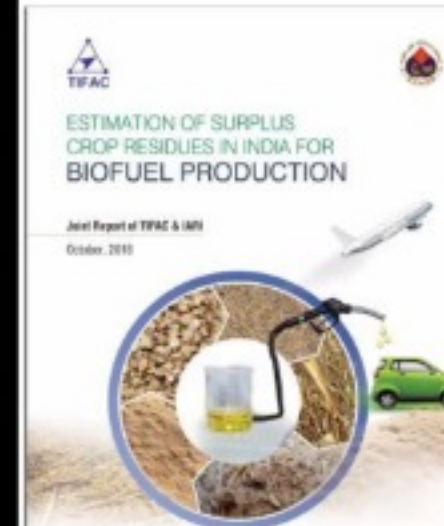
As per estimates, Punjab produces approximately 19-20 million tones of paddy straw and about 20 million tones of wheat straw.
About 85-90 per cent of this paddy straw is burnt in the field,
Burning of agricultural biomass residue, or Crop Residue Burning (CRB) has been identified as a major health hazard in



But how about analogous chemicals...!



Biomass: How much is available...!



- The study has estimated that the total dry biomass of 682.61 Million Tons (MT) was generated annually from the selected eleven crops in three seasons.
- The rice straw & husk (33%), wheat straw (22%), sugarcane tops and bagasse (17%) and cotton (8%) account for almost 80% of the residue by the selected Preamble crops.
- Out of this total annual crop biomass, 59% is generated during kharif season and 39% during rabi season. The remaining about 2% is generated during summer season.

Total Attendees 54



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