



Compressed Biogas or Electrical vehicles – Greener option for developing countries.

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Abstract:

The Electrica vehicle (EV) market is booming, every sizeable car maker are introducing new models in all range. For today, I am presenting my argument that for current scenario of power mix in India, Compressed Biogas - CBG (also called BioCNG or Renewable Natural Gas - RNG) operated vehicles are more ecofriendly than EV's. While an EV do not emit pollutant while running on the road, but the power it needs to charge batteries is derived from National Grid. As per Energy Statistics 2019 report from CENTRAL STATISTICS OFFICE, MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION, GOVERNMENT OF INDIA

Biography:

Sankalp Pathak has completed M.Sc. Microbiology from Shivaji University, Kolhapur. Currently working as GM-Operation as SLPP RENEW LLP.

Recent Publications:

1. Vivek Kumar, Nitin Kaistha. Inferential Self-Optimizing Control of a Reactor-Separator-Recycle Process. Industrial & Engineering Chemistry Research 2019, 58 (33) , 15209-15221. <https://doi.org/10.1021/acs.iecr.9b00172>
2. Rupesh Verma, Mood Mohan, Vaibhav V. Goud, Tamal Banerjee. Operational Strategies and Comprehensive Evaluation of Menthol Based Deep Eutectic Solvent for the Extraction of Lower Alcohols from Aqueous Media. ACS Sustainable Chemistry & Engineering 2018, 6 (12) , 16920-16932. <https://doi.org/10.1021/acssuschemeng.8b04255>
3. Ankit Sharma, Ojasvi, and Nitin Kaistha . Design and Control of a Reactive Distillation Process for Naphtha Hydrodesulfurization. Industrial & Engineering Chemistry Research 2016, 55 (7) , 1940-1951. <https://doi.org/10.1021/acs.iecr.5b03108>
4. Rupesh Verma, Tamal Banerjee. Palmitic Acid Based Hydrophobic Deep Eutectic Solvents for the Extraction of Lower Alcohols from Aqueous Media: Liquid-Liquid Equilibria Measurements, Validation and Process Economics. Global Challenges 2019, 3 (11) , 1900024. <https://doi.org/10.1002/gch2.201900024>
5. Dânia S.M. Constantino, Rui P.V. Faria, Ana M. Ribeiro, Alírio. E. Rodrigues. Butyl acrylate production: A review on process intensification strategies. Chemical Engineering and Processing - Process Intensification 2019, 142 , 107563. <https://doi.org/10.1016/j.cep.2019.107563>



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