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#### Academic Qualification

Sr. No.	Name of Degree	University Institute	Year
1	B.Tech	Laxminarayan Institute of Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	2012
2	M.Tech	Laxminarayan Institute of Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	2015
3	PhD Chemical Engineering	Visvesvaraya National Institute of Technology	2019

#### List of Publications:

1. **Joglekar, S. N.**, Tandulje, A. P., Mandavgane, S. A., & Kulkarni, B. D. (2018). Environmental impact study of bagasse valorization routes. *Waste and Biomass Valorization*, 1-12.
2. **Joglekar, S. N.**, Kharkar, R. A., Mandavgane, S. A., & Kulkarni, B. D. (2018). Sustainability assessment of brick work for low-cost housing: A comparison between waste based bricks and burnt clay bricks. *Sustainable cities and society*, 37, 396-406.
3. **Joglekar, S. N.**, Kharkar, R. A., Mandavgane, S. A., & Kulkarni, B. D. (2018). Process development of silica extraction from RHA: a cradle to gate environmental impact approach. *Environmental Science and Pollution Research*, 1-9.
4. **Joglekar, S. N.**, Pathak, P. D., Mandavgane, S. A., & Kulkarni, B. D. "Process of fruit peel waste biorefinery: a case study of citrus waste biorefinery, its environmental impacts and recommendations." *Environmental Science and Pollution Research* (2019): 1-10.
5. **Joglekar, S. N.**, Vivek Darwai, Sachin A. Mandavgane, and Bhaskar D. Kulkarni. "A methodology of evaluating sustainability index of a biomass processing enterprise: a case study of native cow dung–urine biorefinery." *Environmental Science and Pollution Research* 27, no. 22 (2020): 27435-27448.
6. Shinkhede, Saurabh, Vasudha Katare, **Saurabh Joglekar**, Mangesh Madurwar, and Sachin Mandavgane. "Comparison of different concrete compositions based on sustainability score." *International Journal of Sustainable Engineering* (2021): 1-12.
7. **Joglekar, S. N.**, Gauri Dalwankar, Nishat Qureshi, and Sachin A. Mandavgane. "Sugarcane valorization: selection of process routes based on sustainability index." *Environmental Science and Pollution Research* (2021): 1-14.

#### Book chapter

1. Pathak; P.D., **Joglekar, S. N.**, Mandavgane, S. A., & Kulkarni, B. D. Fruit Peel Waste Biorefinery and Sustainability Issues, Bioresource Utilization and Management Applications in Therapeutics, Biofuels, Agriculture, and Environmental Science, Apple academic Press, (2021): ebook ISBN: 9781003057826
2. **Joglekar, S.N.**, Solankey, P.D., Mandavgane, S.A. and Kulkarni, B.D., 2019. LCA of a Representative Municipal Effluent Treatment Plant: Comparative Evaluation of Activated Sludge Versus Membrane Bio-reactor Processes. In *Advances in Waste-to-Energy Technologies* (pp. 235-248). CRC Press.
3. Biswal, D. AK, **Joglekar S. N.**, Mandavgane, S. A., "MIVES - A multi-attribute value function based methodology for sustainability assessment", *Multiple Criteria Decision Making: Techniques, Analysis and Applications*, Springer (2020)
4. **Joglekar, S.N.**, Gajjaralwar, R.Y., "Potential risk and safety concerns of industrial nanomaterials in environmental management", *Handbook of Nanomaterials for Wastewater Treatment: Fundamentals and Scale up issues*, Elsevier, (2020)
5. Biswal, D., **Joglekar, S.N.** and Mandavgane, S.A., 2022. MIVES: A Multi-Attribute Value Function-Based Methodology for Sustainability Assessment. In *Multiple Criteria Decision Making: Techniques, Analysis and Applications* (pp. 1-16). Singapore: Springer Nature Singapore.
6. Chaudhari, R., Khadke, P., **Joglekar, S.** and Pathak, P.D., 2023. Applications of Life Cycle Assessment in Biorefinery: Case Study on Mango Peel Waste Biorefinery. In *Biorefinery: A Sustainable Approach for the Production of Biomaterials, Biochemicals and Biofuels* (pp. 359-375). Singapore: Springer Nature Singapore.
7. Pathak, P.D., Jadhav, A.R., Deokar, S.K., **Joglekar, S.** and Gedam, V., 2023. Sustainable Fruit Peel Waste Biorefinery: Challenges and Future Perspectives. In *Biorefinery: A Sustainable Approach for the Production of Biomaterials, Biochemicals and Biofuels* (pp. 377-389). Singapore: Springer Nature Singapore.

## Conference Publications

1. **Joglekar, S N.**, Mandavgane, Sachin A. "Impact of Process Intensification on Environmental Indicators" Life Cycle assessment – ACADEMIC LCA INDIA 2018
2. **Joglekar, Saurabh N.**, Gokhale, Nachiket A., Mandavgane, Sachin A., " Use of LCA for analysis and design of sustainable chemical process: A case study of methane generation from syngas" Chemix 2018
3. Trivedi, Nikhilesh, Dutta, Raju, **Joglekar, Saurabh N.**, Ekhe, Jayant D. "An economic way for extraction of high purity biogenic silica from biomass ashes " India International Science Festival, NPL Delhi 2016
4. **Joglekar, Saurabh N.**, Kharkar, Rhushikesh A., Mandavgane, Sachin A., " Life cycle assessment (LCA) A case study of NMC waste water treatment plant" Chemix 2016
5. Solaw, Rohan, Chaudhari, Ritul; **Joglekar, Saurabh**, "Utilization of rice husk for hydrophobic surface synthesis on fabrics, National Science Day, Rashtrasant Tukadoji Maharaj Nagpur University Nagpur (2022)