PROFILE

Name	Ganesh R. Kale
Designation	Senior Principal Scientist
Qualification	Ph.D (Chemical Engg.) M.S (Chemical and Natural Gas Engg.) B.Tech (Petroleum refining and Petrochemical Technology) Diploma in Project Management
Experience (in years)	25 years
Expertise (for e.g.: Water, Waste, Energy, Business Development etc.)	Waste to Energy, Municipal Solid Waste management, Thermal and catalytic processes, Hydrogen and Syngas generation, Thermodynamic modeling, Solvery Cluster technique., CO_2 Utilization, Process Design and Engineering.
Publications (in Nos.)	• Atul D Hemne, Ganesh R Kale (2023), Thermo-Catalytic Conversion of Waste Thermocol and Acrylic to Paint, Indian Journal of Engineering & Materials Sciences Vol. 30, December 2023, pp. 780-787. • Bodhankar, P., Patnaik, S., & Kale, G. R. (2020). Thermodynamic analysis of autothermal steam-reforming of methane for ammonia production. International Journal of Energy Research, 45(5), 6943–6957. • Kale, G., D. Doke, S., & Vaidya, A. (2018). Optimum Operating Condition for Co-gasification - A Thermodynamic Study. Recent Innovations in Chemical Engineering, Volume 11, Issue 1, 2018 Pp: 60-73 11. • Joshi, Rushikesh, Ganesh R. Kale, and A N. Vaidya. "Applications of pyrolysis for carbonaceous wastes in solid waste management–A mini-review." (2018): European Journal of Sciences, vol. 1, no. 1, pp.10-25. • Kale, G. R., Doke, S., & Anjikar, A. (2017). Process thermoneutral point in dry autothermal reforming for CO 2 utilization. Journal of CO_2 Utilization, 18, 318–325. • Pund, N. B., Kale, G. R., Ganvir, V. N., & Doke, S. D. (2017). Experimental Study of CO_2 Gasification of Biomethanation Waste. International Journal of Engineering Research and Application, 7(2), 1-5. • Kale, G. R., Kulkarni, B. D., & Chavan, R. N. (2014). Combined gasification of lignite coal: Thermodynamic and application study. Journal of the Taiwan Institute of Chemical Engineers, 45(1), 163–173. • Monga, Rashmeet Singh, Ganesh R. Kale, and Sadanand Y. Guhe. "Chemical Looping Combustion of Rice Husk." International Journal of Engineering

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- Venkata Siva Naga Sai, G., C Pundlik, R., Venkateswara Rao, P., & G. R. Kale, (2018). Chemical looping combustion of biomass for renewable & non- CO2 emissions energy- status and review. International Journa of Engineering & Technology, 7(2.1), 6.
- Waghmare, V. S., Kale, G. R., Deshmukh, G M., & Doke, S. D. (2016). Experimental study of effect o pressure on pyrolysis of biomass. International Journal o Research in Engineering and Technology, 5(07), 307-313.
- Doke, Suhas D., Ganesh R. Kale, and Sadanand Y Guhe. "Thermodynamic modeling and experimenta study of rice husk pyrolysis." International Journal o Research in Engineering and Technology 4, no. 06 (2015): 311-317.
- Boharapi, Akash B., Ganesh R. Kale, and Omprakash K Mahadwad. "Co gasification of coal and biomass Thermodynamic and experimental study." Int. J. Res. Eng Technol 4 (2015): 2321-7308.
- Chemical looping reforming of ethanol for syngas generation: A theoretical investigation, GR Kale, BD Kulkarni, KV Bharadwaj International Journal of Energy Research 37 (6), 645-656 28, 2013.
- Thermoneutral point analysis of ethanol dry autotherma reforming, GR Kale, BD Kulkarni Chemical Engineering Journal 165 (3), 864-873 25, 2010.
- An alternative process for gasoline fuel processors, GR Kale, BD Kulkarni International Journal of Hydroger Energy 36 (3), 2118-2127 17, 2011.
- Process thermoneutral point in dry autotherma reforming for CO2 utilization, Ganesh Kale, Suhas Doke Journal of CO2 Utilization 18, 318-325 9, 2017.
- Thermoneutral conditions in dry reforming of ethanol, GR Kale, BD Kulkarni Asia-Pacific Journal of Chemica Engineering 9 (2), 196-2047, 2014.

	• Hydrogen generation with CO_2 utilization: A Solvay Cluste study GR Kale, BD Kulkarni, International Journal o Hydrogen Energy 38 (6), 2624-2633. • Thermoneutral Design Aspects of Gasoline Chemica Looping Reformer, GR Kale, BD Kulkarni Fuel Cells 13 (6) 971-986. • Reforming for CO_2 utilization, G Kale ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY 250 6 2013
Patents	Desktop hydrogen / syngas generator US 9126831
Honors & Awards (If any)	Nil
Research Scholars (in Nos.)	Nil