

LIST OF PUBLICATIONS

1) Paper Published:

1. Sonam M. Patel, Vandana J. Rao, “Study the Influence of MnO₂ and MnCl₂ on Microstructure and Mechanical Properties of Pure Magnesium”, Proceedings of International Conference on Recent Advances in Metallurgy for Sustainable Development, New Delhi Publishers, ISBN: 978-93-88879-64-4, 2018, pp. 136 – 138.
2. Sonam M. Patel, Vandana J. Rao, “Effect of Various Forms of Manganese and Its Recovery in Pure Magnesium Metal,” Current Advances in Mechanical Engineering, Lecture Notes in Mechanical Engineering, Springer Proceeding, ISBN: 978-981-33-4794-6, 2021 pp. 929-938. DOI: <https://doi.org/10.1007/978-981-33-4795-3>
3. Sonam M. Patel, Mehul M. Patel, Vandana J. Rao, “Synthesis and characterization of magnesium melting fluxes,” Materials Research Express, IOP Publishing, 116503, Volume 8, Number 11, 2021, pp.1-11. DOI: <https://doi.org/10.1088/2053-1591/ac30b2>
4. Sonam M. Patel, Vandana J. Rao, “Effect of Mn on Microstructure, Mechanical Properties and Corrosion Behaviour of Mg-Ni Alloys,” Engineering Research Express, IOP Publishing, Volume 4, 2022, 045035, pp.1-9, DOI: <https://doi.org/10.1088/2631-8695/aca9a8>
5. Sonam M. Patel, Vandana J. Rao, “Microstructure, Mechanical Properties and Corrosion Behaviour of Mg-Cu and Mg-Cu-Mn Alloys.” This paper is accepted in Materials Today: Proceedings.

2) Paper Presented:

1. Sonam M. Patel, Vandana J. Rao, “Study the Effect of Different Types of Fluxes Used for Magnesium Melting,” National Seminar on Recent Scenario in science and technology, RSST – 2016, Organized by FTE, The M.S.U. of Baroda on 27th February 2016. Received best paper presentation award for this paper.
2. Sonam M. Patel, Vandana J. Rao, “Study the Influence of MnO₂ and MnCl₂ on Microstructure and Mechanical Properties of Pure Magnesium”, IC-RAMSD 2018, Organized by The M. S. University of Baroda, Vadodara, on 1st to 3rd February 2018.

3. Sonam M. Patel, Vandana J. Rao, “Effect of Various Forms of Manganese and Its Recovery in Pure Magnesium Metal,” International Conference on Recent Advances in Mechanical Engineering Research and Development (ICRAMERD_2020), Organized by Department of Mechanical Engineering, Institute of Technical Education & Research, Siksha ‘O’ Anusandhan on 24th to 25th July 2020.
4. Sonam M. Patel, Vandana J. Rao, “Microstructure, Mechanical Properties and Corrosion Behaviour of Mg-Cu and Mg-Cu-Mn Alloys,” 2023 International Conference on Advanced Technologies in Chemical, Construction and Mechanical Sciences (ICATCHCOME 2023), Organized by KPR Institute of Engineering and Technology, Coimbatore on 09-10 February 2023. Received best paper presentation award for this paper.