

## LIST OF PUBLICATIONS

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- **Published Articles/ Papers in Journals**

- Nitya Narayan Kunti, Ranjan Sengupta, Reduction of filler-filler interaction and hysteresis loss of carbon black filled rubber compound by using modified carbon Black, Progress in Rubber Plastics and Recycling Technology, 2023;39(2):156-168
- Nitya N Kunti, Ranjan Sengupta, Modification of Carbon Black to Improve Filler Dispersion in Rubber Matrix and to Enhance Rubber Compound Properties, KGK-Kautsch. Gummi Kunstst, 6, 2023, 65.
- Nitya Narayan Kunti, Ranjan Sengupta, Improvement of Carbon Black Material and Reduction of Tire Rolling Resistance for Benefits of Green Environment, Test engineering and management, January – February 2020, ISSN: 0193-4120. 13765 – 13772

- **Paper Presented in Conference/ Symposia/Seminar**

- Nitya Narayan Kunti, Ranjan Sengupta, Influence of Carbon Black Aggregate Size Distribution on Rubber Compound Performance, International Conference on Advances in Chemical and Material Sciences (ACMS-2022)' Organized by Indian Institute of Chemical Engineers' (IChE), April 2022, Presented on 15<sup>th</sup> April, 2022.
- Nitya Narayan Kunti, Ranjan Sengupta, Carbon Black Modification for Tire Tread Application for Reduction of Greenhouse Gas Generation by the Transport Industry, Doctoral Colloquium – NUV Shodhan, Navrachana University, Vadodara 6<sup>th</sup> August 2021, Presented on 6<sup>th</sup> August 2021.

- Nitya Narayan Kunti, Ranjan Sengupta, Improvement of Carbon Black Material and Reduction of Tire Rolling Resistance for Benefits of Green Environment, International Conference on Science, Engineering and Technology (CSET 2020) Organized by Institute for Engineering Research and Publication (IFERP), Presented on 6<sup>th</sup> March 2020.
- Nitya Narayan Kunti, Ranjan Sengupta, Improvement of Carbon Black Dispersion in Polymer/Rubber Composites and Consequent Reduction of Hysteresis Losses, National Seminar on Applied Polymer Science and Technology (NSAPST- 2020), Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar-388 120 (Gujarat), Presented on 9<sup>th</sup> January 2020.

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