

1. List of Research papers published in journals, In last 5 years

1. V. B. Ugale, K. K. Singh, **N. M. Mishra** & Prashant Kuma, 2013, "**Comparative study of carbon fabric reinforced and glass fabric reinforced thin sandwich panels under impact and static Loading**", Journal of Composite Material, (www.sagepub.in), December 12, 2013, 0021998313514874, I.F. 0.936
2. Manoj Kumar, P. S. Mukherjee, **N. M. Misra**, 2013, "**Statistical Hypothesis Testing Of the Increase in Wear Debris Size Parameters and the Deterioration of Oil**", International Journal of Engineering Inventions, Vol 2, No. 8 (May 2013), pp 01-08. (Publisher: www.ijejournal.com; IF: Not stated)
3. M. Kumar, P. S. Mukherjee, **N.M.Misra**, 2013, "**Advancement and current status of wear debris analysis for machine condition monitoring – A review**", Industrial Lubrication & Tribology, Vol 65, No 1, pp 3-11. (Publisher: Emerald Publ., UK; I.F. '2012: **0.402**)
4. V. B. Ugale, K. K. Singh, **N. M. Mishra**, Prashant Kumar, 2013, "Experimental studies on thin sandwich panels under impact and static loading", Journal of Reinforced Plastics and Composites, Vol 32, No. 06, pp 420-434. (Publisher: SAGE Publications, USA; I.F.'2012 **0.902**)
5. T. Choudhury and **N.M.Misra**, 2011, "**Role of Clay as Catalyst in Friedel-Craft Alkylation**", Bulletin of Materials Science, 34 (6), pp. 1273-79. (Publisher: Springer, I.F.' 2011: **0.880**)
6. M.K.Mishra, **N.M.Misra**, 2011, "**Thermal Decomposition Kinetics of Labile Chromium Complex with Benzoic Acid**", E-Journal of Chemistry (<http://www.e-journals.net>), 8(2), pp. 513-516 (I.F.: Not stated)
7. T. Choudhury and **N.M.Misra**, 2010, "**Thermal stability of PMMA clay hybrids**", Bulletin of Materials Science, Springer, 33 (2), 165-168. (Publisher: Springer, I.F.' 2010: **0.944**)
8. T. Choudhury and **N.M.Misra**, 2010, "**Adsorption of dye on clay and its thermal studies**", Materials Science: An Indian Journal, 6 (4), (Publisher: Trade Sc. Inc., India, I.F.: Not stated)
9. T. Choudhury and **N.M.Misra**, 2009, "**Stone apple reinforced Clay composite**", Materials Science: An Indian Journal, 5 (2) (Publisher: Trade Sc. Inc., India, I.F.: Not stated)

Other Publications (prior to 2009)

1. M. K. Mishra, **N. M. Misra**, R. K. Singh, and R. Mishra, 2008, "**Preparation, spectral and thermal decomposition studies of chromium complex with benzoic acid**", J. Inst. Chemists (India), 80 (5), 129-133. (Publisher: Institution of Chemists, India, I.F.: Not stated)
2. Amit K. Singh, P.S. Mukherjee, **N.M.Mishra**, 2006, "**Interrelationship among viscosity, temperature and age of lubricant**", Industrial Lubrication & Tribology, Vol 58, No 1, pp. 50-55.
3. M. K. Mishra, **N. M. Misra**, R. K. Singh, and R. Mishra, 2005, "**Kinetic Characterization of Chromium Complexes with Benzoic and Salicylic Acid**," J.Inst.Chemists (India) Vol. 77 (6), 173-177.
4. S.Kumar, P.S.Mukherjee, **N.M.Mishra**, 2005, "**Online Conditioning of Engine Oil**", Industrial Lubrication & Tribology, Vol 57, No 6, 260-67

5. S.Kumar, **N.M.Mishra**, P.S.Mukherjee, 2005, "**Additives depletion and engine oil condition - a case study**", 'Industrial Lubrication & Tribology', 2 (57), pp. 69-72.
6. M. K. Mishra, R. K. Singh, **N. M. Misra**, and R. Mishra, 2005, "**Thermal Analysis of Chromium trioxide-salicylic acid complex**", J. Institution of Chemists (India), 77 (4), 99-101.
7. Jagdish, Md.Nabiullah, B.M.P.Pingua, B.B.Dhar, **N.M.Misra**, 1997, "**Reaction Kinetics and Shelf life of Permitted Explosives**", Theory and Practice of Energetic Materials, (Ed. FengChanggen, OuYouxiang, ZengQingxuan), Beijing Institute of Technology Press, China, pp. 6-12.
8. H. B. Sahu, D. C. Panigrahi, and **N. M. Mishra**, 2004, "**Assessment of spontaneous heating susceptibility of coal seams by differential scanning calorimetry**", *J. Mines, Metals & Fuels*, 7&8 (Vol. 52), July August pp. 117-121.
9. M. K. Mishra, **N. M. Misra**, R. K. Singh and R. Mishra, 2004, "**Thermal Analysis of Chromium trioxide-benzoic acid complex**", J. Institution of Chemists (India), Vol. 76, Part 4, pp. 105-107
10. M. K. Mishra, **N. M. Misra**, R. K. Singh and S. P. Mishra, 2001, "**Surface treated polypropylene fibres for use in concrete**", *J. Chemtracks* 1&2 (Vol 3), 39-44
11. Jagdish, Md. Nabiullah, **N. M. Misra** and B.M. P. Pingua, 1997, "**Storage characteristics of commercial explosives**", *Minetech*, **18(3)**, 55-58
12. B. K. Singh, **N. M. Misra** and N. S. Rawat, 1994, "**Sorption characteristics of phenols on fly ash and impregnated fly ash**", *Ind.J.Env.Hlth*, **36(1)**, 1-7
13. B. K. Singh, **N. M. Misra** and N.S.Rawat,1993, "**Fly ash as adsorbent for toxic organics-a review**", *Minetech*, **14(4)**, 35-37
14. S. N. Yadav, **N. M. Misra** and V. S. Ojha, 1992, "**Effect of sodium oleate, diesel oil and HEC on hydration of lime**", *Bulletin of Pure and Applied Sciences*, **11C(1-2)**, 143-50
15. **N. M. Misra**, R. K. Khandal and P.K.Gangopadhyay,1986, "**Kerala Kaolin as a cracking catalyst**", *Ind. J.Tech*, **24**, 1646-649

2. List of papers presented in seminars /workshops

(a) International:

1. N.M.Misra and Anil Singh, **Treated metakaolin as catalyst for decomposition of polystyrene in decalin**, *CMLM2013*, St. Petersburg, Russia, September 11-15, 2013.
2. N.M. Misra, Manoj Kumar and P.S. Mukherjee, **A comparative study of instruments used in wear debris analysis for machine condition monitoring**, *COMADEM2011*, Stavanger, Norway, May 29-June 1,2011.
3. P.S. Mukherjee, Manoj Kumar and N.M. Misra, **Investigating the engine condition of a mining equipment by wear debris analysis using SEM**, *COMADEM2011*, Stavanger, Norway, May 29-June 1,2011.

4. N.M.Misra, and T. Choudhury, **Study of PMMA Clay Hybrid Materials**, *International Conference on Materials for The Millennium*, Kerala, Kochi, March 3-5, 2007.
5. T. Choudhury, and N.M.Misra, **Hybrid Materials Containing Clay and Natural Fiber**, *International Conference on Materials for The Millennium*, Kerala, Kochi, March 3-5, 2007.
6. D.C.Panigrahy, H.B.Sahu, N.M.Mishra, V.K.Saxena and N.K.Hembram, **Development of a New Method for Classification of Coal Seams with Respect to Their Proneness to Spontaneous Heating**, *International Seminar on Mineral Processing Technology (MPT-2005)*, ISM Dhanbad, January 6-8, 2005.
7. A.Sarkar, N.M.Mishra, M.M.Konar and S.Bhattacharya, **FTIR Spectroscopic Identification of Impurities in Commercial Grade Methyl Isobutyl Carbinol**, Proc. of *International Conference on Challenges in Coal and Mineral Beneficiation*, ISM Dhanbad, Dec. 7-8, 2001, 97-107.

(b) National:

1. Manoj Kumar, P.S. Mukherjee and N.M.Misra, **'A study of size distribution of wear particles in deteriorating gear oil of HEMM'**, *National Seminar on Mining Equipment: New Technologies, Challenges & Applications*, ISM Dhanbad, Jan.19 - Jan.21, 2012.
2. V.B.Ugale, K. K. Singh, N. M. Mishra and P. Kumar, **'Flexural Behavior of Thin Sandwich Panel'**, *ISAMPE National Conference on Composites, INCCOM10*, 18-19th November, 2011, Pune.
3. N.M.Misra, P.S. Mukherjee, T.Choudhury, **Specific Heat of Engine Oil: A case study**, *National Seminar on Condition Monitoring: Overview and Advanced Techniques*, Indian School of Mines, Dhanbad, Sept. 15-16, 2006. (Proceedings, pp. 379-382)
4. S.Kumar, P.S. Mukherjee, N.M.Misra, **Lube oil monitoring by optical sensor**, *National Seminar on Condition Monitoring: Overview and Advanced Techniques*, Indian School of Mines, Dhanbad, Sept. 15-16, 2006. (Proceedings, pp. 121-128)
5. TanushreeChoudhury and N.M.Mishra, **Exfoliation of Clay using Natural Dispersants**, *92nd Indian Science Congress*, Ahmedabad, January 3-8, 2005.
6. T.Choudhury and N.M.Misra, **Oxidative degradation of used tyres**, *National Seminar on 'Tyres in Mining & Allied Sectors: Status & Outlook'*, held at Indian School of Mines, Dhanbad, Nov.21-22, 2003.
7. Ranveer, G.Udayabhanu, N.M.Mishra, D.D.Pathak, D.C.Panigrahi, **"FTIR and XRD Characteristics of Some Indian Coals Highly Prone to Spontaneous Combustion"**, *National Seminar on Instrumental Techniques in Chemical Analysis*, ISM, Dhanbad, September 15-16, 2001.
8. Manoj K. Mishra, and N.M.Mishra **"Differential Scanning calorimetric studies of treated polypropylene"**, *National Seminar on Instrumental Techniques in Chemical Analysis*, ISM, Dhanbad, September 15-16, 2001.
9. N.M.Misra, A.Sarkar and A.Mukherjee, **"FTIR Spectroscopic method for estimation of MIBK in commercial samples of MIBC"**, *National Seminar on Analytical Methods in Industry & Labs.*, MDUniversity, Rohtak March 9-10, 1999.

10. Jagdish, M. Nabiullah and N.M.Misra, “**Kinetic parameters of long term stored explosives**”, *National Seminar on Emerging Technology in Surface Mining and Environmental Challenges*, Nagpur, 16-18th October, 1997 (Proceedings: pp. 117-124)