

Research Publications published in International Journals

- 1. Reena Kumari, P. D,** Jagannath Nayak, A. Nityananda Shetty (2011), “3-Methyl-4-amino-5-mercapto-1,2,4-triazole as corrosion inhibitor for 6061 Al alloy in 0.5 M Sodium hydroxide.” *Journal of Coatings Technology and Research*. 8, 685-695. impact factor 1.3
- 2. Reena Kumari, P. D,** Jagannath Nayak, A. Nityananda Shetty (2011), “3-Ethyl-4-amino-5-mercapto-1,2,4-triazole as corrosion inhibitor for 6061/Al-15 vol% SiC_p Composite in Sodium Hydroxide Solution.” *Synthesis reactivity in Inorganic, Metal-Organic and Nano-Metal chemistry*, 41, 774-784. impact factor 0.53.
- 3. Reena Kumari, P. D,** Jagannath Nayak, A. Nityananda Shetty (2011), “3-Methyl-4-amino-5-mercapto-1,2,4-triazole as corrosion inhibitor for 6061/Al-15 vol% SiC_p Composite in 0.5 M Sodium Hydroxide Solution.” *Journal of Materials and Environment Science*, 2, 387-402.
- 4. Reena Kumari, P. D,** Jagannath Nayak, A. Nityananda Shetty “Corrosion behavior of 6061/Al-15 vol. pct. SiC_p composite and its base alloy in sodium hydroxide Solution.” *Arabian Journal of Chemistry*. DOI: 10.1016/j.arabjc.2011.12.003. impact factor 3.73
- 5. Reena Kumari, P. D,** Jagannath Nayak, A. Nityananda Shetty (2011) “3-Ethyl-4-amino-5-mercapto-1,2,4-triazole as corrosion inhibitor for 6061-alloy in sodium hydroxide solution.” *Portugaliae Electrochimica Acta*, 29 (6), 445-462.
- 6. Reena Kumari, P. D,** Jagannath Nayak, A. Nityananda Shetty (2014) “Corrosion inhibition of 6061 Al-15 vol. pct. SiC(p) composite in 0.5 M sodium hydroxide solution by 4-amino-5-phenyl-4H-1,2,4-triazole-3-thiol” *Anti-corrosion Methods and Materials*. Volume 61, Issue-4. impact factor 0.4
- 7. Reena Kumari, P. D,** Jagannath Nayak, A. Nityananda Shetty (2014) " Corrosion inhibition of 6061 Al-15 vol. pct. SiC(p) composite in sodium hydroxide solution by 4-amino-5-(4-nitrophenyl)-4H-1,2,4-triazole-3-thiol” *Procedia Materials Science*, 5, 181-187.

Papers presented in conferences

1. “Corrosion behavior of 6061 Aluminium Silicon Carbide composite in alkaline medium”	Presented in National symposium held at IIT Bombay (MR09) on May 8-10 th 2009.
2. Inhibition of 6061/Al-15 vol.pct.SiC _p Composite by 3-Ethyl-4-amino- 5-mercapto - 1,2,4-triazole in NaOH Solution	Presented in International Conference RETMAC-2010 held at NITK Surathkal on February 14 to 15 th 2010.
3. Triazole derivative as corrosion inhibitor for	Presented in International conference FIME-

6061/Al- 15 vol.pct.SiCp composite in sodium hydroxide solution	2010 held at NITK Surathkal on May 21-22 nd of 2010.
4. 3-Propyl-4-amino-5-mercapto-1,2,4-triazole as corrosion inhibitor for 6061-Al-15 vol.pct. (SiC _p) composite in sodium hydroxide solution.	Presented in National symposium NSCH-2011 held at MIT Manipal on July 11-12 th of 2011
5. Corrosion inhibition of 6061 Al-15 vol. pct. SiC _(p) composite in sodium hydroxide solution by 4-amino-5-(4-nitrophenyl)-4H-1,2,4-triazole-3-thiol	Presented in ICRMAST -13, January 17 th - 19 th 2013 NITK Surathkal.
6. Corrosion inhibition of 6061 Al-base alloy in sodium hydroxide solution by 4-amino-5-(4-nitrophenyl)-4H-1, 2, 4-triazole-3-thiol”	Presented in WeAct 2014, January 10-11, 2014, UGC sponsored two day National conference on World’s Emerging Advancement in Chemical Technology. Govinda Dasa First Grade College. Surathkal.
7. Corrosion inhibition of 6061 Al-15 vol. pct. SiC(p) composite in sodium hydroxide solution by 4-amino-5-(4-nitrophenyl)-4H-1,2,4-triazole-3-thiol	Presented in AMME-14, March 27-29, 2014 NITK Surathkal.
8. Comparative study of 1,2,4-triazole derivatives as corrosion inhibitors for 6061/Al-15 (vol.%) SiC (p) composite in 0.1 M NaOH solution.	Presented in the National Conference on Current Trends in Scientific Research for Engineering Applications [NCSEA-2014]organized by the departments of Science, SJEC, Vamanjoor on 17-18, July 2014.