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Publication Details (2020-2015)**

LIST OF PUBLICATIONS

Research Paper published in Key International journals:

- Insight – Non Destructive Testing and Condition Monitoring (ISSN No. 1354-2575)
- Production Engineering (ISSN No. 0944 -6524)
- FME Transactions (ISSN No.1451-2092)
- Advanced Materials Research (ISSN No. 1662-8985)

International Peer- Reviewed Journals:

2020

1. Parthasarathy, V., **Nakandhrakumar, R.S.**, Mahalakshmi, S., Senthil kumar, P., Sundaresan, B., “Structural, Optical, Thermal and Non-isothermal Decomposition Behavior of PMMA Nanocomposites”, Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30(8), pp. 2998-3013.
2. T Micha Premkumar, Vootla Pushpak, K Vamsi Krishna, D Govardhan Reddy, Naga Sudheer Kumar, V Hariram, S Seralathan, **Nakandhrakumar. R.S.**, “Design and fusion deposit modeling of radial flow centrifugal pump”, <https://doi.org/10.1016/j.matpr.2020.05.437>
3. T Micha Premkumar, Hemanth Adapa, Vootla Pushpak, S Seralathan, M Vinoth Kumar, V Hariram, **Nakandhrakumar. R.S.**, “Modeling and simulation of pitch controlled FRP material based horizontal axis wind turbine system to extract maximum power”, <https://doi.org/10.1016/j.matpr.2020.06.131>.

2019

4. Akshay Todakar, **Nakandhrakumar, R.S.**, Ramakrishnan, M., Meenakshisundaram, C., “Vibration signature based monitoring on FSW process and verification by FEA”. (Accepted for publication in Springer Journal)
5. **Susai J Mary, Sai Balaji M A, Krishnakumari A, Nakandhrakumar R S and Dinakaran D** “Monitoring of Drill Runout using Least Square Support Vector Machine Classifier”, Measurements (Under Review).
6. **Nakandhrakumar. R.S**, Dinakaran.D, Picton. P, Pattabiraman. J “**Mathematical Models of Flank wear using Vibration Amplitude Ratio in Drilling**”, FME Transactions, Vol.47, 2019, pp.430-436 (ISSN No.1451-2092)-**Impact factor 0.877 – SCOPUS Indexed.**
7. **Nakandhrakumar. R.S**, Dinakaran.D, Pattabiraman. J, Gopal.M “**Tool Flank wear monitoring using Torsional-axial vibrations in drilling**”, Production Engineering, Vol. No. 13 (1), 2019, pp. 107-118. DOI: 10.1007/s11740-018-0866-4 (ISSN No.0944-6524)-**Impact factor 1.04 – SCOPUS Indexed.**

2017

8. Susai Mary. J., Sabura Banu. U., Dinakaran. D. and **Nakandhrakumar. R.S**, **“Adaptive control by multi-objective optimization for drilling process with fuzzy inference system and neural predictive controller”**, Insight – Non-Destructive Testing & Condition Monitoring, Vol. 59, No. 1, 2017, 1-7. (ISSN No. 1354-2575) - **Impact factor 0.605 – SCOPUS Indexed.**

2016

9. **Nakandhrakumar. R.S**, Dinakaran.D, Gopal.M, Pattabiraman. J, **“A Novel Normalization procedure for sensor positioning problem in vibration monitoring of drilling using Artificial Neural Networks”**, Insight – Non-Destructive Testing & Condition Monitoring, Vol. 58, No. 10., 2016, 556-563. (ISSN No. 1354-2575)) - **Impact factor 0.605– SCOPUS Indexed.**

2015

10. Susai Mary. J., Sabura Banu. U., Dinakaran. D. and **Nakandhrakumar. R.S.**, **“Adaptive optimization using Grey Relational Analysis and PID control of CNC Drilling Process”** , Proc. of the IEEE International Conf. on Robotics, Automation, Control and Embedded Systems- RACE 2015, 18-20 Feb 2015, HITS, Chennai, India– **SCOPUS Indexed .**
11. **Nakandhrakumar. R.S**, Dinakaran.D , Sathishkumar. S, Gopal.M, **“Drill wear monitoring using ANFIS”**, International Journal of Applied Engineering Research, Vol. 10 (2) (2015) pp. 1913-1918. (ISSN no.0973-4562)- **Impact factor 0.181– SCOPUS Indexed.**
12. **Nakandhrakumar. R.S**, Balachandar M, NagaPavan kumar, Venathi Himanth, **“Application of Ant colony optimization Technique for solving Job shop scheduling problem”**, International Journal of Applied Engineering Research, Vol. 10 (2) (2015) pp. 1629-1633. (ISSN no.0973-4562)- **Impact factor 0.181– SCOPUS Indexed.**
13. Seralathan.S, **Nakandhrakumar. R. S.**, Sasi Lakshmikanth. R.,Praveen. R., Shyam Sundar, N., **“Performance and emission studies of a two stroke SI engine with hydrogen as a dual fuel”**, International Journal of Applied Engineering Research, Vol. 10(2) (2015), pp. 1663-1667. (ISSN no.0973-4562)- **Impact factor 0.181– SCOPUS Indexed.**