Publications records of **Dr. M. SEEMAN**

List of Publications - National

Seeman M, Ganesan G, Karthikeyan R, Velayudham A, "Performance modeling of diamond tool during turning of A356/SiC/10p metal matrix composite.", *Journal of Manufacturing Engineering*, Volume 6, Number 3, 2011, pp. 133-141. 2011.

Seeman M, Katheration D, Karthikeyan R, Kalaichelvi V, "Microstructure Development for Extrusion- Neural Predictive Control Approach.", *Journal of Manufacturing Engineering*, Volume 2, Number 1, 2010, pp. 33-37. 2007.

Seeman M, Ganesan G, Karthikeyan R, Velayudham A, "Performance optimization of diamond tool during turning of A356/SiC/10p metal matrix composite using Non-Dominated Sorting Genetic Algorithm (NSGA-II).", *Journal of Emerging Technology in Mechanical Science and Engineering*, Volume 1, Number 2, 2010, pp. 52-68. 2010.

List of Publications - International

- R. Seetharaman, D. Kanagarajan and M. Seeman, "Comparison of friction stir welding window for AA 2024 and AA 7075 alumunium alloys .", *International Journal of Advanced in Management, Technology and Engineering Sciences*, Volume . IX, Number I, Jan 2019, pp. 4017-4027. 2019/ DOI:16.10089.IJMTE.2019.V9I01.18.27873.
- D. Kanagarajan, P. Sivaraj, M. Seeman, and R. Seetharaman, "Evaluation of the reliability on WC-40%Co composites through Weibull analysis.", *Materials Today: Proceedings*, Volume -, Number -, Aug 2019, pp. 1-6. 2019/ https://doi.org/10.1016/j.matpr.2019.08.124.
- P. Sivaraj, M. Seeman, D. Kanagarajan and R. Seetharaman, "Influence of welding parameter on mechanical properties and microstructural features of resistance spot welded dual phase steel sheets joint.", *Materials Today: Proceedings*, Volume -, Number -, Sep 2019, pp. 1-5. 2019/ https://doi.org/10.1016/j.matpr.2019.08.201.
- M. Seeman, D. Kanagarajan, P. Sivaraj, R. Seetharaman and A. Devaraju, "Optimization through NSGA-II during machining of A356Al/20%SiCp metal matrix composites using PCD Tool.", *IOP Conf. Series: Materials Science and Engineering*, Volume 574, Number -, Sep 2019, pp. 1-15. doi:10.1088/1757-899X/574/1/012008.
- C. Rajarajan, P. Sivaraj, M. Seeman and V. Balasubramanian, "Influence of Electrode Force on Metallurgical Studies and Mechanical Properties of Resistance Spot Welded Dual Phase (DP800) Steel Joints.", *Materials Today: Proceedings*, Volume -, Number -, Sep 2019, pp. 1-5. 2019/ https://doi.org/10.1016/j.matpr.2019.09.009.
- R. Seetharaman, M. Seeman, D. Kanagarajan, P. Sivaraj and I. Saravanan, "A statistical evaluation of the corrosion behaviour of friction stir welded AA2024 Aluminium alloy.", *Materials Today: Proceedings*, Volume -, Number -, Oct 2019, pp. 1-8. 2019/https://doi.org/10.1016/j.matpr.2019.09.066.
- M.Seeman, G.Ganesan, A.Velayudham, "Acoustic emission signal monitoring during machining of Al/SiCp MMC .", ASIAN RESEARCH REVIEW International Journal of

- *Management, Technology and Social Sciences*, Volume 1, Number 1, Jan 2019, pp. 221-231. 2019/ISSN:2637-1278.
- P. Sivaraj, D. Kanagarajan, M. Seeman and R. Seetharaman, "Tensile properties and microstructural characteristics of friction stir welded AA7075-T651 aluminium alloy joints .", *International Journal of Advanced in Management, Technology and Engineering Sciences*, Volume VIII, Number VII, Jul 2018, pp. 2229-2241. 2018/16.10089.IJAMTES.2017.V8I7.15.22959.
- M. Seeman, P. Sivaraj, D. Kanagarajan and R. Seetharaman, "Tool condition monitoring using acoustic emission FFT analyses during machining of A356 Al alloy .", *International Journal of Advanced in Management, Technology and Engineering Sciences*, Volume VIII, Number VII, Jul 2018, pp. 2219-2226. 2018/ 16.10089.IJAMTES.2017.V8I7.15.22958.
- R. Seetharaman, M. Seeman, P. Sivaraj and D. Kanagarajan, "Comparison of friction stir welding window for AA 2024 and AA 6082 alumunium alloys.", *International Journal of Advanced in Management, Technology and Engineering Sciences*, Volume VIII, Number X3122, Oct 2018, pp. 3114-3122. 2018/ DOI:16.10089.IJMTE.2018.V8I10.16.2388.
- D. Kanagarajan, P. Sivaraj, R. Seetharaman and M. Seeman, "Tribological characterization of EDMed and unEDMed WC 40%Co cemented carbides prepared by powder metallurgy route.", *International Journal of Advanced in Management, Technology and Engineering Sciences*, Volume VII, Number II, Feb 2017, pp. 66-83. 2017/ ISSN: 2249-7455.
- M. Seeman, D. Kanagarajan, R. Seetharaman and P. Sivaraj, "Non-dominated sorting genetic algorithm (NSGA-II) based Al/20%SiC PAMMC machining performance optimization .", *International Journal of Advanced in Management, Technology and Engineering Sciences*, Volume VII, Number III, Mar 2017, pp. 137-151. 2017/ ISSN: 2249-7455.
- D. Kanagarajan, P. Sivaraj, M. Seeman and R. Seetharaman, "Mathematical Modeling and Analysis of Machining Parameters in EDM for WC-40%Co Sintered Composite.", *International Journal of Advanced in Management, Technology and Engineering Sciences*, Volume VII, Number IV, Apr 2017, pp. 57-73. 2017/ ISSN: 2249-7455.
- M.SEEMAN, "Study the Kaiser effect of acoustic emission signal during tensile testing of GFRP composite signal during tensile testing of GFRP composite.", *International Journal of General Engineering and Technology*, Volume 5, Number 1, Dec 2016, pp. 41-48. 2016/ISSN: 2278-9928.
- M.SEEMAN, "Acoustic emission parametric analysis during tensile testing of AA7075 Al alloy.", *International Journal of creative research thoughts*, Volume 3, Number 1, Mar 2015, pp. 77-83. 2015/2320-2882.
- M.SEEMAN, "Acoustic emission signal waveform and power spectra analysis during tensile testing of GFRP composite.", *International Journal of General Engineering and Technology*, Volume 4, Number 4, Jun 2015, pp. 9-16. 2015/ISSN: 2278-9928.
- M.SEEMAN, "Acoustic emission FFT spectra and Waveform analysis during tensile testing of AA7075 Al alloy.", *International Journal of creative research thoughts*, Volume 3, Number 3, Sep 2015, pp. 70-76. 2015/ISSN:2320-2882.
- Seeman M, Karthikeyan R, Ganesan G, Velayudham A, "Study on Tool wear and Surface roughness in machining of aluminium metal matrix composite Response surface

methodology approach.", *International Journal of Advanced Manufacturing Technology*, Volume 48, Number x, Mar 2010, pp. 613-624. 10.1007/s00170-009-2297-z.

List of Conferences - National

Seeman M, Karthikeyan R, Ganesan G, Velayudham A, Study on Tool wear and Surface roughness in machining of LM25 AlSiCp Metal Matrix Composite, *UGC sponsored India-Japan conference on Advances in materials processing*, Sep 30-2, 2009, FEAT, Annamalai University, pp. 73-79. Annamalainagar, Dept. of Manufacturing Engineering, Annamalai University and Shock wave and Condensed matter research centre, Kumamoto University, Japan..

Seeman M, Thiruvalluvarin Eyarpiyal Parvai, *National conference on EKKALA ELAKIYAM*, Mar 29-30, 2006, Annamalai University, pp. 312-316. Annamalainagar, Dept. of Tamil, Annamalai University.

Seeman M, Katheration D, Karthikeyan R, Kalaichelvi V, Sivakumar D, Microstructure Development for Extrusion- NARMA-L2 Control Approach, *UGC & CSIR sponsored National conference on Modelling & Simulation in Manufacturing (MOSIM-2006)*, Mar 17-18, 2006, FEAT, Annamalai University, pp. 55-60. Annamalainagar, Dept. of Manufacturing Engineering, Annamalai University.

Karthikeyan R, Seeman M, Katheration D, Kalaichelvi V, Microstructure Development for Extrusion- Neural Predictive Control Approach, *National conference on SIMULATION AND ADVANCES IN METAL FORMING*, Jan 20-21, 2003, IGCAR, Kalpakkam, pp. 75-81. Kalpakkam, THE INDIAN INSTITUTE OF METALS, Kalpakkam chapter, Metal Science Division and IGCAR, Kalpakkam..

List of Conferences - International

M. Seeman, S. Anbuselvan, I. Ashok Kumar and T.V. Rajamurugan, Acoustic emission RMS signal monitoring during machining of A356Al/SiC-10p MMC using uncoated cemented carbide cutting tool, *International conference on Emerging trends in Arts, Social science, Management and Technology*, Dec 5-6, 2018, AIMST University, Malaysia, pp. 7-17. Chennai, Anuragam Publisher.

M. Seeman, R.Seetharaman, V.Satheeshkumar A. Pugazhenthi, Tool flank wear monitoring during machining of A356/SiC-10p MMC using acoustic emission FFT analyses, 8th International conference proceeding of Innovation, Entrepreneurship and Economy for Sustainable Development (ICIEESD'18), Oct 10-11, 2018, Sai Ram Engineering College and Sai Ram Institute of Management Studies, Chennai, pp. 364-373. Chennai, Sai Ram Engineering College.

M.Seeman, G.Ganesan, A.Velayudham, Acoustic emission signal monitoring during machining of Al/SiCp MMC, *International conference proceeding of Management, Technology and Social Sciences*, May 7-8, 2018, Geneva Business School, Geneva, Switzerland, pp. 198-210. Geneva, Anuragam Publisher, No.19 Kannadasansalai, T-Nagar, Chennai-17.

M.Seeman, G.Ganesan, A.Velayudham, Acoustic emission signal monitoring during the tensile testing., *International conference proceeding of Emerging management & technology for economic sustainability*, Apr 22-23, 2017, Alhosn University, Abu Dhabi, UAE, pp. 22-32. No.19 Kannadasansalai, T-Nagar, Chennai-17, Anuragam Publisher, .

Seeman M, Ganesan G, Karthikeyan R, Velayudham A, Optimization of flank wear and surface roughness during machining of particulate aluminum metal matrix composite using Nondominated sorting genetic algorithm (NSGA-II), *Sustainable Strategies on Technology and Management for Developing Countries-Science and Technology*, May 15-16, 2010, Tyndale College, Singapore, pp. 128-139. Singapore, Anuragam - Kalaignaan Pathipagam Chennai.

Seeman M, Kasiannathan Kavithaikalill Thamizher Maram, *International conference on Vazhvival Kurukal matrum Valarnelai Nokku*, Feb 23-24, 2007, Annamalai University, pp. 100-105. Annamalainagar, Dept. of Tamil, Annamalai University and Kalaignaan Pathipagam, Chennai.

Kalaichelvi V, Sivakumar D, Seeman M, Karthikeyan R, Process modeling and control of Gas Metal Arc Welding, *First international & 22nd All India Manufacturing Technology Design & Research conference (22nd AlMTDR)*, Dec 21-23, 2006, IIT, Roorkee, pp. 65-71. Roorkee, Dept. of Mechanical Engineering, IIT, Roorkee.

Seeman M, Katheration D, Karthikeyan R, Kalaichelvi V, Microstructure Development for Extrusion- NARMA-L2 Control Approach, *International Conference on Mechanical Engineering (ICME2003)*, Dec 26-28, 2003, Dhaka, Bangladesh, pp. 1-5. Dhaka, Bangladesh, Dept. of Mechanical Engineering, Dhaka University.

List of Book Published

Prof. Dr.E.Natarajan, Prof. M.Seeman, *Sustainable Strategies on Technology and Management for Developing Countries-Science and Technology*, No.19 Kannadasansalai, T-Nagar, Chennai-17: Anuragam Publisher, 978-93-80627-16-8, pp. 1-175. Jul 2010, http://anuragam.in/index.html.

Dr. S. Kathiresan, Dr. Krishnan Maniam, Dr. V.Hemanth Kumar, Dr. Aranga Pari, Dr. M.Seeman, *International conference on Emerging trends in Arts, Social science, Management and Technology*, No.9 Sarangapani Street, T-Nagar, Chennai-17: Anuragam Publisher, 978-93-88410-82-3, pp. 1-255. Dec 2018.

Dr.Krishanan Maniam, Dr.V. Hemanth Kumar and Dr.M.Seeman, *International Multi Disciplinary Conference on Arts, Social Science, Management and Technology*, No.9, Sarangapani Street, T. Nagar, Chennai - 600 017: Anuragam Publisher, 978-81-943363-0-3, pp. 1-401. Sep 2019.