

Dr.P.Gurusamy

Publications Details

- **Gurusamy, P.**, Prabu, S. B., Nagasankar, P., Muthuraman, V., & Mohanavel, V. (2020, October). Solidification behaviour of squeeze cast aluminium composites. In *AIP Conference Proceedings* (Vol. 2283, No. 1, p. 020028). AIP Publishing LLC.
- Mohanavel, V., Kumar, S. S., Ganeshan, P., Vishnukumar, R., & **Gurusamy, P.** (2020, October). Physical, mechanical and wear performance of graphite (Gr) particles incorporated aluminium matrix composites—An overview. In *AIP Conference Proceedings* (Vol. 2283, No. 1, p. 020088). AIP Publishing LLC.
- Ravi, S., & **Gurusamy, P.** (2020). Experimental investigation to study the performance of cryogenic cooling in end milling of AISI P20 steel. *Materials Today: Proceedings*.
- Ravi, S., & **Gurusamy, P.** (2020). Review of nanofluids as coolant in metal cutting operations. *Materials Today: Proceedings*.
- Ravi, S., & **Gurusamy, P.** (2020). Studies on the effect of cryogenic machining of AISI D2 steel. *Materials Today: Proceedings*.
- Ravi, S., & **Gurusamy, P.** (2020). A comparative study on coated carbide inserts performance in cryogenic end milling of AISI D2 tool steel. *Materials Today: Proceedings*.
- Kumar, J. L., **Gurusamy, P.**, Karthik, S. H., & Naveen, R. (2020). A novel design method for the conversion of air to water based on the 3D structure of Metal-Organic material. *Materials Today: Proceedings*.
- Subash, P., Nagendharan, S., **Gurusamy, P.**, & Kishore, R. (2020). Fatigue and vibrational analysis of composite plates based on curve fitting method. *Materials Today: Proceedings*.
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- **Gurusamy, P.**, Raj, S. H. K., Kumar, J. L., Thirupathiraja, S., & Nagendharan, S. (2020). Microstructure and temperature distribution of aluminium based composites using finite element analysis. *Materials Today: Proceedings*.
- **Gurusamy, P.**, Raj, S. H. K., Devarajan, S., Kumar, S. D., Mahesh, R., & Subash, P. (2020). Finite element analysis and experimental study on the deformation characteristics of lock ring. *Materials Today: Proceedings*.
- Ali, Z., Muthuraman, V., Rathnakumar, P., **Gurusamy, P.**, & Nagaral, M. (2020). Investigation on the tribological properties of copper alloy reinforced with Gr/ZrO₂ particulates by stir casting route. *Materials Today: Proceedings*.

- **Gurusamy, P.**, Tamilselvan, S., Saravanan, S., & Gopal, D. N. (2020). Experimental investigation of AA2014 alloy with reinforcement of fly ash and SiC hybrid composites by stir casting method. *Materials Today: Proceedings*.
- Ravi, S., & **Gurusamy, P.** (2020). Experimental studies on the effect of LN2 cooling on the machining of tool steel. *Materials Today: Proceedings*.
- Ravi, S., & **Gurusamy, P.** (2020). Experimental investigation of cryogenic cooling on cutting force, surface roughness and tool wear in end milling of hardened AISI D3 steel using uncoated tool. *Materials Today: Proceedings*.
- Nagasankar, P., **Gurusamy, P.**, Gopinath, S., Gnanaprakash, K., & Pradeep, G. (2020). Optimization of process parameters on engine exhaust valves using Taguchi method in friction welding process. *Materials Today: Proceedings*.
- **Gurusamy, P.**, Asington, C. B., Selvam, K., & Kumar, P. A. (2020). Mechanical properties and dry sliding wear behaviour of Al2219 alloy reinforced with TiB2 composites by stir casting route. *Materials Today: Proceedings*.
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- **Gurusamy, P.**, Anbarasan, C., & Krishnan, P. M. (2016). Tribological Behavior of A-356/SiC/B. *Indian Journal of Science and Technology*, 9, 48.