

CENTRE FOR RESEARCH



ANNA UNIVERSITY, CHENNAI – 600 025

LIST OF PUBLICATIONS OF DC MEMBER



Name of the Scholar : Pradeep Kumar S L

Programme : Ph.D. (PT)

Research Topic : Design and Construction of Shock Tunnel Capable of Generating Shockwaves for Engineering Applications.

Name of the Supervisor: Dr. J. Maniraj / 2420222

Name of the Member : Dr. Rajesh Ranganathan

S.No	Title	Year of Publication
1	Pugalendhi, A., Ranganathan, R., Venkatapathy, N., Narendran, K., & Shah, P. K. (2020). Design and development of model eye for retina laser by using additive manufacturing. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 0954411920960548.	2020
2	Ravi, T., Ranganathan, R., & Arumugam, S. (2020, April). A conceptual method for developing a Torso Assisted Orthopedic Support Brace (TAOSB) device for people with spinal deformities. In IOP Conference Series: Materials Science and Engineering (Vol. 788, No. 1, p. 012025). IOP Publishing.	2020
3	Palanisamy, M., Pugalendhi, A., & Ranganathan, R. (2020). Selection of suitable additive manufacturing machine and materials through best–worst method (BWM). The International Journal of Advanced Manufacturing Technology, 1-18.	2020
4	Sreekanth, M. P., Ranganathan, R., & Pugalendhi, A. (2020). Individual customization strategy accomplished by developing prototype of a laparoscopic forceps handle using additive manufacturing. Rapid Prototyping Journal.	2020
5	Pugalendhi, A., Ranganathan, R., & Chandrasekaran, M. (2020). Novel fabrication method for clear and hard tooth aligner through additive manufacturing technology: A pilot study. Materials Today: Proceedings.	2020
6	Pugalendhi, A., Ranganathan, R., & Ganesan, S. (2020). Impact of process parameters on mechanical behaviour in multi-material jetting. Materials Today: Proceedings.	2020
7	Palaniappan, A., Vinodh, S., & Ranganathan, R. (2020). Analysis of factors influencing AM application in food sector using ISM. Journal of Modelling in Management.	2020

8	Pugalendhi, A., Ranganathan, R., & Sreekanth, M. P. (2020). Mass production strategy for additive manufacturing by stacking the product at design phase. <i>International Journal of Rapid Manufacturing</i> , 9(2-3), 106-122.	2020
9	Ravi, T., Ranganathan, R., Pugalendhi, A., & Arumugam, S. (2020). 3D Printed Patient Specific Models from Medical Imaging-A General Workflow. <i>Materials Today: Proceedings</i> , 22, 1237-1243.	2020
10	Ravi, T., & Ranganathan, R. (2020). Topology and Build Path Optimization for Reducing Cost in FDM uPrint SE. In <i>Advances in Additive Manufacturing and Joining</i> (pp. 189-198). Springer, Singapore.	2020
11	Pugalendhi, A., Ranganathan, R., & Chandrasekaran, M. (2019). Effect of process parameters on mechanical properties of VeroBlue material and their optimal selection in PolyJet technology. <i>The International Journal of Advanced Manufacturing Technology</i> , 1-11.	2019
12	Ranganathan, Rajesh, and Sivakumar Ganesan. "Process of manufacture of customized split insole for diabetic patients." U.S. Patent Application 15/881,885, filed August 1, 2019.	2019
13	Ranganathan, Rajesh, and Sivakumar Ganesan. "Customized split insole for diabetic patients." U.S. Patent Application 15/882,442, filed August 1, 2019.	2019
14	Ranganathan, R., Ravi, T., & Pugalendhi, A. (2019). Analysis of Shrinkage Compensation Factor (SCF) of FDM uPrint SE for Accuracy Enhancement. <i>International Journal of Integrated Engineering</i> , 11(1).	2019
15	Vivek, C., Ranganathan, R., Ganesan, S., Pugalendhi, A., Sreekanth, M. P., & Arumugam, S. (2019). Development of customized orthosis for congenital deformity using additive manufacturing. <i>Rapid Prototyping Journal</i> .	2019
16	Ranganathan, R. (2019). Design and Development of a Customized Laparoscopic Forceps Handle Using Fused Deposition Modeling. 40(1), 83-90.	2019
17	Chelladurai, S. S., Ranganathan, R., & Gandhi, B. S. (2019). Manufacturing simulation of alternate additive manufacturing method using cubes with CATIA macro programming. <i>International Journal of Product Development</i> , 23(2-3), 162-184.	2019
18	Manivel, P., & Ranganathan, R. (2019). An efficient supplier selection model for hospital pharmacy through fuzzy AHP and fuzzy TOPSIS. <i>International Journal of Services and Operations Management</i> , 33(4), 468-493.	2019
19	Paramasivam, P., Ranganathan, R., Rathanasamy, R., Kaliyannan, G. V., Palaniappan, S. K., Pal, S. K., & Chinnasamy, M. (2019). Experimental analysis on the technical behavior of carbon black filled rubber blends' rollers for rice husk removal application. <i>Polimery</i> , 64.	2019

20	Pushparaj, M., Ranganathan, R., & Ganesan, S. (2019). Design and development of drug delivery system for chronic wound using additive manufacturing. In 3D Printing and Additive Manufacturing Technologies (pp. 119-126). Springer, Singapore.	2019
21	Vivek, C., & Ranganathan, R. (2019). Design and Development of Orthosis for Clubfoot Deformity. In 3D Printing and Additive Manufacturing Technologies (pp. 127-139). Springer, Singapore.	2019
22	Das, Sai Charan, Rajesh Ranganathan, and N. Murugan. "Effect of build orientation on the strength and cost of PolyJet 3D printed parts." Rapid Prototyping Journal (2018).	2018
23	Ravi, T., Rajesh Ranganathan, and A. Sivasankar. "Posture Instability of People Diagnosed with Parkinson's disease-A Review>." Int. J. Eng. Technol 7, no. 3-6 (2018): 119-123.	2018
24	Ranganathan, R., Mohan, S. P., Pugalendhi, A., & Arumugam, S. (2018). Design and development of a prosthetic leg for an amputated peacock using additive manufacturing. International Journal of Rapid Manufacturing, 7(4), 356-373.	2018
25	Ganesan, Sivakumar, and Rajesh Ranganathan. "Design and development of customised split insole using additive manufacturing technique." International Journal of Rapid Manufacturing 7, no. 4 (2018): 295-309.	2018
26	Sreekanth, M. P., Rajesh Ranganathan, and C. Vivek. "Energy effectiveness achieved by orienting prototype of a laparoscopic instrument handle using polyjet additive manufacturing technology." International Journal of Manufacturing Technology and Management 32, no. 3 (2018): 255-269.	2018
27	Chandrasekaran, Manivannan, and Rajesh Ranganathan. "Modelling and optimisation of Indian traditional agriculture supply chain to reduce post-harvest loss and CO2 emission." Industrial Management & Data Systems (2017).	2017
28	Prabhakaran, P., Ranganathan, R., Muthu Kumar, V., Rajasekar, R., Devakumar, L., & Pal, S. K. (2017). Review on parameters influencing the rice breakage and rubber roll wear in sheller. Archives of Metallurgy and Materials, 62.	2017
29	Prabhakaran, P., Ranganathan, R., Muthu Kumar, V., Rajasekar, R., Devakumar, L., & Pal, S. K. (2017). Review on parameters influencing the rice breakage and rubber roll wear in sheller. Archives of Metallurgy and Materials, 62.	2017
30	Manivel, P., & Ranganathan, R. (2016). Prioritized ABC-FSN analysis of inventory management in private and hospital pharmacy followed by questionnaire. International Research Journal of Pharmacy, 7(12), 104-113.	2016
31	Ramamoorthy, C., V. Selladurai, Rajesh Ranganathan, K. Sivasamy, G. Balamurugan, Ramesh Arumugam, and M. Proprietor. "Efficiency enhancement of modern manufacturing industries through the development of Value-added Employees using Value focused thinking approach." (2014).	2014

