

Mr. A. SIVASANKAR

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Experience:

Teaching: 3 years

Research: 4 years

Research Area: Additive Manufacturing/ Finite Element Analysis/ Biomedical Engineering

Recent Publications

1. **Sivasankar Arumugam, Rajesh Ranganathan, Ravi T, (2022) “Need for customization in preventing pressure ulcers for wheelchair patients – a load distribution approach”** International journal of Biomedical Engineering and Technology” (In Production).(Impact Factor: 1.01)
2. **S. Arumugam, R. Ranganathan, A. Pugalendhi,(2021) Development of customized support for the prevention of Pressure Ulcer (PU) using multi-materials printing,** Journal of Physics: Conference Series. 1969 012014. (Impact Factor: 0.547)
3. **Ravi, T., Ranganathan, R., Pugalendhi, A., & Arumugam, S. (2020). 3D Printed Patient Specific Models from Medical Imaging - A General Workflow.** Materials Today: Proceedings, 22, 1237–1243. (Impact Factor: 1.27)
4. **Ravi, T., Rajesh Ranganathan, Sivasankar Arumugam (2020). A conceptual method for developing a Torso Assisted Orthopedic Support Brace (TAOSB) device for people with spinal deformities.** IOP Conference Series: Materials Science & Engineering, 788.
5. **C., V., Ranganathan, R., Ganesan, S., Pugalendhi, A., M.P., S. and Arumugam, S. (2019), "Development of customized orthosis for congenital deformity using additive manufacturing",** Rapid Prototyping Journal, Vol. 25 No. 3, pp. 645-652. (Impact Factor: 3.099)
6. **Ravi.T, Rajesh Ranganathan, Sivasankar Arumugam, (2018) “Posture Instability of People Diagnosed with Parkinson’s Disease - A Review,** International Journal of Engineering and Technology (UAE), Science Publishing Corporation Inc, 7 (3.6) 119-123. (Impact Factor: 1.27)
7. **Rajesh Ranganathan, Pradeep mohan S.K, Arivazhagan.P, Sivasankar Arumugam (2018) “Design and Development of a prosthetic leg for an amputated peacock using additive manufacturing”** International Journal of Rapid Manufacturing, Inderscience Publishers.7 (4):356