

Publications (Journals and Conference Proceedings)

1. Rizvi, M.S., **Kumar P.**, Pal A, Katti, D.S., *Mathematical model of the mechanical behavior of micro/nanofibrous materials designed for extracellular matrix substitutes*. Acta Biomaterialia, 2012. **8**(11): p. 4111-4122 [Impact factor: 6.383]
2. **Kumar P.**, Kumar R., *Geometric modeling of an electrospun micro-/nano-fiber system for simulation of physical properties* International Journal of Science and Research, 2015. 4(4) p.1261-1266 [Impact factor: 0.25]
3. **Kumar P.**, Rajesh Vasita, *Understanding the relation between structural and mechanical properties of electrospun mesh by uniaxial tensile testing*, Journal of Applied Polymer Science, 2017, 45012 [Impact factor: 1.901]
4. Singla, P., **Kumar P.**, Das A, Sardana V, Sardana H.K., *Image registration: A pre-step in patient's position verification in radiation therapy* in International Conference on Image Information Processing (ICIIP), 2012
5. Vasamsetti S, Sardana V, **Kumar P.**, Kharbanda, O.P., Sardana, H.K., *A Novel Approach for Automatic Landmark Identification in Cephalometric Images Using Optimized Template Matching*, Journal of Medical Imaging and Health Informatics, 2015. **5**(3) 458-470 [Impact factor: 0.543]
6. **Kumar P.**, P S Gandhi, M Majumder, *Design and fabrication of thin micro vascularised polymer matrices inspired from secondary lamellae of fish gills,* "Bioinspiration, Biomimetics, and Bioreplication VI", International Conference, SPIE/NDE, (Las Vegas, USA), 9797-40, 2016 [ERA-'A']
7. **Kumar P.**, Gandhi P.S, Majumder M, *Interfacing 3D micro-/nanochannel networks with branch-shaped reservoir enhances fluid flow and mass transfer*, Journal of Microengineering and Micromechanics (IOP), 2017, **27**, 015026 (11pp) [Impact Factor - 1.888]
8. **Kumar P.**, UL Tanveer, Gandhi P.S, Majumder M, *Nature-inspired, scalable, lithography-less fabrication of multi-scale fluid channel networks*, Biomedical Physics and Engineering Express (IOP) 3 (2017) 045007 [Impact factor - NA]