Amit Kumar Shaw

Enrolment Year: January 2019

Supervisor: Dr. Sanjeev Soni

Co-supervisors: N/A

Broad area of research: Bioheat Transfer

Department: Biomedical Applications

Contact: aks.amitkrshaw@gmail.com

External Links:

Current Fellowship	Self-Sponsored
Prior Educational Qualification	M.Tech in Mechatronics from IIEST-S in 2018. B.Tech in Mechanical from MAKAUT, West Bengal in 2016.
Experience	Two years as Project-JRF, Nine months as Project-SRF in CSIR-CSIO.
Awards and Achievements	
Selected Publications	1) Pratap, D., Vikas, Gautam, R., Shaw, A.K. and Soni, S., 2022. Photothermal properties of stable aggregates of gold nanorods. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 635, p.128054. 2) Khurana, D., Vikas, Shaw, A.K. and Soni, S., 2021. Polydopamine coated gold nano blackbodies for tumor-selective spatial thermal damage during plasmonic photothermal cancer therapy. IEEE Transactions on NanoBioscience, 21(4), pp.482-489. 3) Shaw, A.K. and Soni, S., 2021. Lattice Boltzmann Method based Computation of Tumor Size Dependent Thermal Damage during Plasmonic Photothermal Therapy. In Proceedings of the 26thNational and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference December 17-20, 2021, IIT Madras, Chennai-600036, Tamil Nadu, India. Begel House Inc.. 4) Shaw, A.K. and Soni, S., 2021. Thermal transport within porous biological tissue for thermal therapeutics. In Proceedings of CHT-21 ICHMT International Symposium on Advances in Computational Heat Transfer. Begel House Inc..

Last updated on 11 April 2023