

**Name of the Faculty: Prof. Chidanand Mangrulkar**

**Position : Asst. Prof in Mechanical Engineering Department.**

### **International Journals**

1. Chidanand Mangrulkar, Ashwinkumar Dhoble, Sachin Mandavgane, Amey Deshmukh, Numerical investigation of heat transfer and friction factor characteristics from in-line cam shaped tube bank in cross flow, Applied Thermal Engineering 110 (2017) 521-538.
2. Chidanand Mangrulkar, Ashwinkumar Dhoble, Shyamal Chakrabarthy, Uday Wankhede, Experimental and CFD prediction of heat transfer and friction factor characteristics in cross flow tube bank with integral splitter plate, International Journal of Heat and Mass Transfer 104 (2017) 964-978.
3. Chidanand Mangrulkar, Ashwinkumar Dhoble, Vilayatrai Kriplani, Experimental investigation of convective heat transfer enhancement using alumina/water and copper oxide/water nanofluids, Thermal Science 20 (5), year 2016, 1681-1692.
4. A Bartwal, A Gautam, M Kumar, C K Mangrulkar, S Chamoli, Thermal performance intensification of a circular heat exchanger tube integrated with compound circular ring–metal wire net inserts, Chemical Engineering and Processing: Process Intensification 124, 50-70.
5. Chidanand Mangrulkar, Vilayatrai Kriplani, Nanofluid heat transfer - A review, International Journal of Engineering and Technology 3 (2), year 2013, 136-142.
6. Sandeep S Joshi, Ashwinkumar S Dhoble, Tushar M Sathe, Chidanand K Mangrulkar, Performance Analysis of Photovoltaic Thermal System Using Silicone Oil Spectrum Filter, Applied Solar Energy 54 (1), 4-9.

### **International Conferences**

1. Chidanand Mangrulkar, Ashwinkumar Dhoble, Tushar Sathe, Numerical simulation on effect of air attack angle on wake and vortex formation for tandem elliptical cylinders,

International conference on Advances in Thermal Systems, Materials and Design Engineering (ATSMDE2017) held at V.J.T.I., Mumbai on 21-22 Dec' 2017.

2. Chidanand Mangrulkar, Ashwinkumar Dhoble, Tushar Sathe, Sandeep Joshi, Thermal performance enhancement in cross flow by vortex generators- A Review, 2<sup>nd</sup> International conference on Advances in Mechanical Engineering (ICAME-2018) held at SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India in March 2018.
3. Chidanand Mangrulkar, Arunkumar H S, Trushar Gohil, Vortex dynamics and elliptical structure wake interaction in the proximity of wall using 2-D RANS simulation, International Conference on Research in Mechanical Engineering Sciences (RiMES-2017) held at Manipal Institute of Technology in December-2017.