

## **Member 2: Dr. P. Radha**

### **Publication Details for last five years:**

1. P Radha, G Chandrasekaran, N Selvakumar, "Deep Learning based Supervised and Unsupervised Neural networks for analyzing the characteristics of powder composite preforms", International Journal of Modelling and Simulation, 2020.
2. P.Radha, N.Selvakumar, J.RajaSekar, J.V.JohnsonSelva, "Role of Knowledge Mining- A density based clustering to identify the geometrical properties of material defects", International conference on Inventive Computation Technologies 1 (01), 2020.
3. P Radha, N Selvakumar, R Harichandran, "Computational Intelligence for analysing the mechanical properties of AA 2219 - B4C + h-BN hybrid nano composites processed by ultrasound assisted casting", Archives of Metallurgy and Materials 64 (3), 116, 2019.
4. P Radha, "Correlating Health-Oriented Human Traditions with Basic Science and Automating Health-Related Processes Using Modern Science, Human Arenas 1 (1), 1-20, 2019.
5. P Radha, "Enhancing Internet of Battle Things (IoBT) using Ultrasonic assisted Non-Destructive Testing (NDT)", IEEE International conference on Computational Intelligence and Computing Technologies, 2018.
6. P Radha, "Intelligent Models for Predicting and Classifying the Bio Energy of Human Body", International Journal of Current Engineering and Scientific Research (IJCESR), 2018.
7. P Radha, "Simulating EDM Model of Nano Copper Hybrid Composites Using Generalized Neural Network Tools", International Journal of Science Trends and Technology, 5 (2), 386-394, 2017.
8. P Radha, "Balancing the Complexity of Architecture and Generalization of Soft-Computing Model in Predicting the Properties of Composite Preforms", International Journal of Computer Science Trends and Technology, V 5 (3), 89-101, 2017.
9. P Radha, N Selvakumar, "Neural Networks for Predicting the Wear Properties of Sintered Ti-6Al-4V Composite Reinforced with Nano B4C Particle and Classification using Data Mining Tools", International Journal of Computational and Neural Engineering 3 (04), 40-48, 2016.
10. P Radha, "Region growth based segmentation to improve the porosity of Cu-(5–20%) W composite preforms, Global Research and Development Journal for Engineering", 1 (12), 148-155, 2016.
11. N Leema, P Radha, SC Vettivel, HK Nehemiah, "Characterization, pore size measurement and wear model of a sintered Cu–W nano composite using radial basis functional neural network", Materials & Design 68, 195-206, 2015.
12. P Radha, G Chandrasekaran, N Selvakumar, "Simplifying the powder metallurgy manufacturing process using soft computing tools", Journal of Applied Soft Computing 27, 191-204, 2015.