

FACULTY PROFILE

Dr.A.RENUGAMBAL

Teaching Fellow-Mathematics

Department of Science & Humanities

University College of Engineering Kancheepuram

(Constituent College of Anna University, Chennai)

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<https://scholar.google.co.in/citations?user=x9WNXDUA AAAAJ&hl=en>



Highest Educational Qualification:

Ph.D Faculty of Science & Humanities, Anna University, Chennai, 2021.

Research Publications:

1. A. Tamilarasan, A.Renugambal and D.Vijayan **2022**. Parametric estimation for AWJ cutting of Ti-6Al-4V alloy using Rat swarm optimisation algorithm. Materials and Manufacturing Processes (Published Online) (**Impact Factor: 4.616**).
2. A.Renugambal, K.Selva Bhuvanewari **2021**. Kapur's Entropy based Hybridised WCMFO Algorithm for Brain MR Image Segmentation. IETE Journal of Research (Published Online) (**Impact Factor: 2.333**).
3. A.Renugambal, K.Selva Bhuvanewari **2020**. Image Segmentation of Brain MR Images Using Otsu's Based Hybrid WCMFO Algorithm. Computers, Materials & Continua, Vol.64 (2):681-700. (**Impact Factor: 3.772**).
4. A.Tamilarasan, A.Renugambal, D. Manikanta, GBC. Sekharreddy, K.Sravankumar, B.Sreekar, GV. Prasadreddy. **2018**. Application of crow search algorithm for the optimization of abrasive water jet cutting process parameters. IOP Conference Series: Materials Science and Engineering. 390:012034. (**Scopus**).
5. A.Tamilarasan, A.Renugambal, T. Mohan, AR. Iyer, VPK. Krish, A.Rajkumar, HN. Sakriya. **2018**. Optimization of roller burnishing process parameters using lion optimization algorithm. IOP Conference Series: Materials Science and Engineering. 390 (1): 012063. (**Scopus**).
6. A.Tamilarasan, K. Marimuthu, A. Renugambal. **2016**. Investigations and optimization of hard milling process parameters using a hybrid method of RSM and NSGA-II. Revista Tecnica De La Facultad De Ingenieria Universidad Del Zulia (Technical Journal of the Faculty of Engineering). 39(1):41-54. (**Scopus**).
7. A.Tamilarasan, D.Rajamani, A.Renugambal. **2015**. An approach on fuzzy and regression modelling of hard milling process parameters. Applied Mechanics and Materials. 813-814:498-504. (**Scopus**)

STTP/ FDP/TEQIP courses/Seminar/Workshops Attended:

- | | |
|---|-----|
| 1. STTP/QIP/FDP/STC Courses (One Week Duration) | :05 |
| 2. National Workshops / Seminars | :10 |

Additional Duties

- RRC Co-ordinator
- Class Incharge and Mentor for First year students
- Member in Internal Affairs
- Assist NSS Program Officer

Reviewer of Journals:

- The Journal of Supercomputing, Springer Publishers

Software Skills:

1. MATLAB
2. Design Expert