



Dr. Amit Kumar Mehar

Associate Professor

Department

Mechanical Engineering

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Academic Background:

Ph.D. (Mechanical Engineering) – NIT, Rourkela, Odisha, INDIA (2017)

M.Tech. (Mechanical Engineering) – NIT, Rourkela, Odisha, INDIA (2011)

B.E. (Mechanical Engineering) – Guru Ghasidas University (Now A Central University), Bilaspur (C.G.) INDIA (2006)

Dr. Amit Kumar Mehar is an Associate Professor in the Department of Mechanical Engineering, Raghu Engineering College (REC) (Autonomous), Vishakhapatnam, Andhra Pradesh, INDIA. He has 3 years of industrial, 12 years of teaching, and 6 years of research experience in his field. He has 8 international journals, 12 national and international conferences, and 3 book chapters in his field. He has 10 professional memberships. He is the Board Membership/Reviewer of various Reputed Journals:

1. International Journal for Innovative Research in Multidisciplinary Field (IJIRMF).
2. International Journal of Research Culture Society (IJRCS).
3. International Journal of Materials Science and Engineering (IJMSE).
4. Materials Today: Proceedings (ELSEVIER) **Scopus Indexed Journal.**
5. KAAV Publications.
6. GRD Journals.
7. International Journal of Engineering Research & Technology (IJERT).
8. Composite Materials.
9. Trends in Materials and Manufacturing Processes (Trans Tech Publications) Switzerland.
10. World Journal of Engineering Research and Technology (WJERT).
11. Applied Composite Materials (Springer Nature, Switzerland) **SCI Indexed Journal.**

Research Interests:

Biomaterials, Composite materials, Tribology, Machining, Optimization techniques, Soft computing etc.

Publications:

1. **Mehar A.K.,** K. Sreekanth, Mahapatra S. S. and Patel S. K. (2020), "A Comparative Study on Drilling Performance of Hydroxyapatite-Polycarbonate and Hydroxyapatite-Polysulfone Composites Using Principal Component Analysis Methodology for Orthopaedic Applications". **(Materials Today: Proceedings) (Elsevier) (Scopus Indexed Journal).**
2. Mehar A.K., Kotni S. (2021) A Study on Performance of Hydroxyapatite-Filled Polycarbonate and Polysulfone Composites Under Two-Body Abrasive Wear. In: Pant P., Mishra S.K., Mishra P.C. (eds) **Advances in Mechanical Processing and Design. Lecture Notes in Mechanical Engineering. Springer, Singapore. (Scopus Indexed Book Chapter).**
3. Kumar M.A. (2021) Evaluation of Two-Body Abrasive Wear Using FIS and ANN. In: Kalamkar V., Monkova K. (eds) **Advances in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore. (Scopus Indexed Book Chapter).**

Awards:

1. Received Certificate of reviewing for **Materials Today: Proceedings** (Awarded Since May 2019).
2. Qualified **OPENMAT** Exam conducted by IGNOU, New Delhi for MBA (Operations Management) in the Year 2008.
3. Received **ELITE Certificate** for successfully completed NPTEL course (Introduction to Composites) in the Year 2019.
4. Received **ELITE Certificate** for successfully completed NPTEL course (Manufacturing Process Technology) in the Year 2019.

5. Received **MHRD Scholarship** for Four Years (2013-2016) during Ph.D. in NIT, Rourkela.
6. Received **"Young Scientist Award"** from VD Good Professional Association in the Year 2021.