



Dr. Arun Augustin

Associate Professor, Mechanical Engineering

Administrative Responsibilities

- Industry Institute Interaction cell Coordinator

Education Summary

- P.G. Diploma in Welding Engineering from Annamalai University Tamilnadu, INDIA, 2009
- Ph.D in Microstructural, Mechanical and Anti-Microbial Characterization of Electrodeposited and DC Magnetron Sputter Deposited Copper Coatings on Aluminium, Dept. of Metallurgical and Materials Engg National Institute of Technology Karnataka (NITK), Surathkal, Mangalore Karnataka, INDIA, 2019
- M.Tech in Production Technology from Dept. of Mechanical Engineering Visvesvaraya Technological University Belagavi/ Basaveshwar Engineering College, Bagalkot, Karnataka, INDIA, 2011
- B.Tech in Mechanical Engineering from Kannur University Kerala/ Sree Narayana Guru College of Engg. & Technology, Payyanur, Kerala, 2007

Employment History

- Assistant Professor at Christ College of Engg. Irinjalakuda, Thrissur from 23/07/2017 to Till now
- Assistant Professor at Vimal Jyothi Engineering College Kannur from 13/06/2011 to 17/07/2012
- Guest Lecturer at LBS College of Engineering, Kasargod (1 Year)
- Assistant Engineer Grade-1 (QA/QC – Piping) at Simplex Infrastructure Ltd. Gujarat (1 year)

Journal/Papers Published

- Arun Augustin, Huilgol, P., Udupa, K.R. and Bhat, U. (2016). "Effect of Current Density during Electrodeposition on Microstructure and Hardness of Textured Cu Coating in the Application of Antimicrobial Al Touch Surface." *Journal of the Mechanical Behavior of Biomedical Materials*, Elsevier Publishing 63, 352–360.
- Arun Augustin, Udupa, K.R. and Bhat, U. (2019). "Characterization of DC Magnetron Sputtered Copper Thin Film on Aluminium Touch Surface." *Transactions of the Indian Institute of Metals*, Springer Publications.
- Arun Augustin, Udaya Bhat.K, K. Rajendra Udupa, Chitharanjan Hegde (2015). "Electron Microscopic Study of Nodules formed during Electrodeposition of Copper on Aluminium". *Materials Science Forum*, Trans Tech Publications, vols. 830-83: pp 371374.
- Arun Augustin, K. Rajendra Udupa, Udaya Bhat K. (2015), "Effect of Pre-Zinc Coating on the Properties and Structure of DC Magnetron Sputtered Copper Thin Film on Aluminium" *American Journal of Materials Science*, Scientific & Academic Publishing. vol. 5(3C): pp 58-61.
- Arun Augustin, K. Rajendra Udupa, and Udaya Bhat (2016). "Crystallite size measurement and micro-strain analysis of electrodeposited copper thin film using Williamson-Hall method." *Proceeding of International Conference on Condensed Matter and Applied Physics*, AIP Publishing, Vol. 1728. No. 1.
- Arun Augustin, Udupa, K.R. and Bhat, K.U. (2016). "Effect of coating current density on the wettability of electrodeposited copper thin film on aluminium substrate", *Perspectives in Science* Elsevier Publishing.
- Komalakrishna H., Arun Augustin, Udaya Bhat K. (2015), "Electron Beam Deposition of Copper Thin Film on Aluminium Substrate and Its Characterization" *American Journal of Materials Science*, Scientific & Academic Publishing. vol. 5(3C): pp 58-61

Specialized Trainings

- NDT-Level II

Areas of Interest

- Welding
- Coating