

## **Awards/Prizes/Citations:**

- **Prof. K. Arumugam National Award for Innovative Work in Engineering and Technology for the year 2016** at 46<sup>th</sup> Annual Convention of ISTE on 10–12, Feb., 2017 at Gulzar Group of Institutes, Ludhiana (Punjab). The award consists of cash prize of Rs.8000/-, a medallion and a citation.
- **UGC Research Award for year 2016-2018** for the research project, ‘Weldability of dissimilar plastic based material by using hybrid filament of fused deposition modelling with friction stir welding’ under Mechanical Engineering. The award consists of full salary grant for 02 Years.
- **Honourary Fellowship Award 2016** in Engineering Sciences by Punjab Academy of Sciences on 7<sup>th</sup> Feb., 2016 during the inaugural ceremony of 19<sup>th</sup> Punjab Science Congress at SUS Group of Institutions, Tangori (Mohali).
- **Maharashtra State National Award for Outstanding Research Work in Engineering & Technology for the year 2015** at 45<sup>th</sup> Annual Convention of ISTE on 10<sup>th</sup> Jan, 2016 at HVPM’s College of Engineering and Technology, Amravati (Maharashtra). The award consists of cash prize of Rs.3000/-, a medallion and a citation.
- **ISTE Section Best Teacher Award for year 2015** at Rayat Institute of Engineering and Information Technology, Railmajra, Shahid Bhagat Singh Nagar, Punjab. The award consists of a medallion and citation.
- **Best paper award** during 5<sup>th</sup> International conference and exhibition on additive manufacturing technologies-AM2015, Global additive manufacturing summit, Sep. 7-8, 2015, Bangalore, India for paper, “Mathematical modeling for surface hardness in FDM assisted vacuum moulding of Al-SiC metal matrix composite”.
- **Best session paper award** during International Conference on Research and Innovations in Mechanical Engineering, Oct. 24-26, 2013, GNDEC, Ludhiana (India) for paper, “Development of bio-medical implant (hip joint) by combining fused deposition modelling and investment casting”.
- **Dr. Roshan Lal Aggarwal Best Science Teacher Award (Colleges)** during the year 2013 by Punjab Academy of Sciences, India, at the valedictory session of 16<sup>th</sup> Punjab Science Congress, Baba Farid University of Health Sciences, Faridkot on Feb. 9<sup>th</sup>, 2013. The award consists of merit certificate, gold medal and cash prize of Rs11000/-.
- **Most downloaded articles 2005-2010** for the paper entitled: Ultrasonic machining of titanium and its alloys: A review, Vol. 173 (2), 2006, pp 125-135 and Surface modification by electric discharge machining: A Review, Vol. 209 (8), 2009, pp 3675-3687, Journal of Material Processing Technology.
- **ISTE Best Engineering College Teacher Award for Punjab State 2009** at 39<sup>th</sup> Annual convention of ISTE on 18<sup>th</sup> Dec., 2009 at NIT, Surathkal, Karnataka. The award consists of cash prize of Rs 7000/- only, a medallion and citation.
- **IEI Young Engineers Award** in Production Engineering discipline during the year 2009-2010 by Institution of Engineers, India, at the inaugural session of 24<sup>th</sup> National convention of Production Engineers, Trichu Local Centre on May 15, 2009. The award consists of citation and cash prize of Rs10000/-.
- **Young Scientist Award** for the year 2009 by Punjab Academy of Sciences, during 12<sup>th</sup> Punjab Science Congress from Feb. 7-9, 2009, at Punjab Agriculture University, Ludhiana for the research paper, ‘Techno-economic study of rapid casting solution for low melting alloys using three dimensional printing’. The award consists of merit certificate, Young Scientist Award Gold Medal and Rs1100/-.
- **Career Award for Young Teachers (CAYT)** for the year 2007-08 by All India Council for Technical Education, New Delhi for contribution to technical education and research proposal on ‘Investigations for reducing wall thickness in shell casting using 3DP’. The award consists of a research and development grant of Rs. 10.5 lacs.