

CURRICULUM VITAE

Dr. L.Arulmani Ph.D

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Academic Qualifications

- Ph.D (Powder forging) in Metallurgy and Materials Engineering, National Institute of Technology (NIT), Trichy. 2016.
- M.E (Industrial Engineering), Bharathiar University, Coimbatore.2001.
- B.E (Mechanical Engineering), Bharathiar University,Coimbatore. 1998.

Experience

- 15 years of experience in Teaching and Research

Academic:

- Associate Professor, RR Institute of Technology, Bangalore, from July 2015 onwards
- Senior Research Associate, National Institute of Technology (NIT), Trichy. August 2011 to June 2015
- Assistant Professor (Grade II) & HOD (Incharge), Department of Mechanical Engineering, AVS Engineering College, Salem, July 2008 to July 2011
- Senior lecturer/Lecturer, Department of Mechanical Engineering, Mahendra Engineering College,Salem, Jan 2005 to June 2008
- Lecturer, Dept. of Mechanical Engineering, Paavai Engineering College, Salem, Jan 2002 to Dec 2004.
- Quality Control Engineer, Sunder Precision Components, Bangalore, Jan 1999 to July 2000.

Memberships of Professional Bodies

- Indian Society of Technical Education (ISTE)
- Society of Failure Analysis (SFA)
- Indian Welding Society (IWS)

Equipment's developed

- Ball Mill setup for powder blending
- Powder compaction setup
- Prototype hall flow meter device
- Indigenously prepared ceramic coating

Laboratory developed

- Basic workshop laboratory
- Fluid mechanics laboratory
- Material testing laboratory
- Manufacturing process lab I
- Manufacturing process lab II

Study Materials developed

- Laboratory Manual for Material testing lab. (VTU syllabus)
- Laboratory Manual for workshop practice lab. (Anna university syllabus)
- Laboratory Manual for CIM lab (Anna university syllabus)

Course Subjects taught

- Basic Thermodynamics
- Engineering mechanics

- Fluid Mechanics and machinery
- Computer Integrated manufacturing
- CAD& CAM
- Material Science & Metallurgy
- Elements of Mechanical Engineering
- Engineering Graphics
- Manufacturing Process I& II& III
- Professional ethics
- Product life cycle management

Student Projects Guided

- UG: 13
- PG: 01

Curricular and co-curricular activities

- **Staff Co-ordinator**, Mechanical Engineering Association (MECHZEAL), AVS Engineering College, Salem, 2009.
- **Convener**, National level Technical Symposium, MECHCRAFT 2010, AVS Engineering College, Salem, 2010.
- **ISO Co-ordinator**, AVS Engineering College, Salem, 2010.
- **NBA Co-ordinator**, Mahendra Engineering College, Salem, 2006
- **Exam co-ordinator**, AVS Engineering college,salem, 2009-10.
- **Academic auditor (Internal and external)** for engineering colleges affiliated to Anna University, Coimbatore zone- certified by Anna University, Coimbatore during 2009.

Programs/Seminars/Conferences Organized

1. Organized International Conference “**AMMA-15**” on May 2015 at National Institute of Technology (NIT), Trichy, Tamilnadu.
2. Organized National level Technical symposium “**MECHCRAFT’09**”, at AVS Engineering College, Salem, Tamilnadu.
3. Organized National level Technical symposium “**MECHCRAFT’10**”, at AVS Engineering College, Salem, Tamilnadu.
4. Organized National level Technical symposium “**MECHZONE’06**”, at Mahendra Engineering College, Salem, Tamilnadu.

Programs/Seminars/Conferences Attended

1. Presented two papers in International conference “**Advancements in science, engineering &Technology (ASET’16)**”, on May 6-7, 2016 at RR Institute of Technology, Bangalore.
2. Presented paper in International conference **Advances in Materials and manufacturing (AMMA’15)**”, on 22 -24 June 2015 at National Institute of Technology, (NIT), Trichy.
3. Participated in a 3 days workshop on “**world class manufacturing practices**”, on Jan 12- 13, 2015 conducted by Dept of ME/ MSRIT, Bangalore.
4. Presented paper in International conference “**Recent Advances in Materials Processing Technology (RAMPT’12)**”, on June 7-9, 2015 at National Engineering College, Kovilpatti, TamilNadu.

5. Presented paper in International conference “**Friction Based Materials Processing (FBMP’14)**”, on Feb 13-15, 2014 at Indian Institute of Science (IISc), Bangalore..
6. Participated in a 2 days workshop on “**Writing Effective conference papers**”, on Feb 18-19, 2012 conducted by IIT, Bombay.
7. Participated in a 7 days workshop on “**Advanced Materials and Manufacturing Methods**”, on Dec 2- 8, 2014 conducted by Dept of MME/ NIT, Tiruchirappalli, Tamil Nadu.
8. Participated workshop”**Academic audit**” on Jan 5-6, 2010, Conducted by Anna university, Coimbatore.
9. Participated One day National Conference on “**Emerging Trends in Design and Manufacturing**” (ETDM - 06) Conducted by Mahendra Engineering College, Namakkal Dt, Tamil Nadu.
10. Participated 3 Days Faculty Training Programme on “**FEEL TEACHER**” on May 20-22, 2006, Conducted by Insight HR Groups, Mangalore.
11. Presented a Paper on National Level Technical Symposium MECH ZONE ’06 “**Parameter Optimization on EDM using Taguchi Technique**” Conducted by Mahendra Engineering College, Namakkal Dt, Tamil Nadu.
12. Participated Three days on”**Faculty Development Program**” [FDP] Conducted by T.K.Chandra Sekar., International Personality Trainer, Coimbatore.
13. Presented a Paper for National Level Symposium “**Job Analysis & Manpower Planning**” on Aug 21, 2002, at PSG College of Technology, Coimbatore.

Publications

1. L. Arulmani , K.S. Pandey (2016) Densification behaviour of sintered forged AISI 8730 steels through powder route *International Journal of Material Sciences and Technology (Accepted for publication)*
2. L. Arulmani, S.Santhosh kumar (2016) Experimental investigations of aluminum 7075-baggesh ash-graphite composites. *International Journal of Material Science*, volume 11, pp. 27-31
3. L. Arulmani, K. S. Pandey and M. Palanivel (2015) Mechanical Properties of Sintered Hot Forged AISI 8750 PM Steels ,*International Journal of Material Science*, volume 10, pp. 59-60.
4. L.Arulmani and K.S.Pandey (2015) Compressibility Behaviour Of AISI 8720 Powder Blends With Elemental Powders *International Journal of Advanced Material Sciences*, volume 6, pp. 19-23
5. L. Arulmani, K. S. Pandey and M. Palanivel (2015) Mechanical Properties of Sintered Forged AISI 8730 Steels through powder route. *Journal of Material Sciences and Engineering (A&B)* (In Press)
6. L. Arulmani , K.S. Pandey (2014) Investigation on densification behavior and Mechanical Properties of sintered hot forged AISI 8720 PM steels ,*International Journal of Metallurgical & Materials Science and Engineering*, 4(2) 1–6.
7. L. Arulmani , K.S. Pandey (2013) Densification Mechanism and Mechanical Properties of sintered Iron and Iron-oxide (FeO) composites during hot forging, *International Journal of Engineering Research and Technology*, Volume-2, pp 1790-1799.
