

Dr. P. SEVVEL, Ph.D.

Professor,
Department of Mechanical Engineering,
S.A. Engineering College (Autonomous), Chennai.

ACADEMIC CREDENTIALS

Ph.D.: (Mechanical Engineering)

Institute of study : **Anna University, Chennai.**

Year of award : September 2016

Title of the Thesis: Effect of process parameters on mechanical properties & microstructural characteristics of AZ80AMg alloy during FSW

PROFESSIONAL EXPERIENCE

Total Teaching Experience: 16 years 9 Months

Professor– Department of Mechanical Engineering, S.A. Engineering College, Chennai (**December 2016 onwards**)

SUBJECTS TAUGHT

Postgraduate Level

Advanced Materials Technology, Advances in Casting and Welding, Polymers and Composite Materials, Materials Testing & Characterization Techniques.

Graduate Level

Engineering Graphics, Engineering Mechanics, Design of Machine Elements, Strength of Materials, Manufacturing Technology I & II, Unconventional Machining Processes, Basic Civil and Mechanical Engineering, Design of Transmission Systems, Production Planning & Control, Metallurgy & Materials, Automobile Engg, Dynamics of Machines, Kinematics of Machinery.

LABS HANDLED

Postgraduate Level: CAD/CAM Lab, Automation & Metal Forming Lab

Graduate Level: Engineering Practices Lab, Thermal Lab I & II, Manufacturing Technology Lab I & II, Strength of Materials Lab, Metrology & Measurements Lab, Dynamics Lab.

RESEARCH CONTRIBUTIONS: List of completed FUNDED WORKSHOPS

S.No	Title of Project	Duration	Funds Received	Funding Agency
1.	Two Days National Workshop on “Advanced manufacturing processes applied to combat vehicle components”	23 rd – 24 th June 2017	Rs.50,000	DRDO, Directorate of Extramural Research and Intellectual Property Rights (ER & OPR), DRDO Bhawan, New Delhi –110 011.

2.	Two Days National Workshop on “Latest trends in Fabrication, Characterization & Analysis of Composite Materials”	30 th – 31 st January 2018	Rs.75,000	Science and Engineering Research Board (SERB) 5 & 5A, Lower Ground Floor, Vasant Square Mall, New Delhi-110070
3.	Modernized wheelchair for physically challenged with height adjustment mechanism	1 Year	Rs.10,000	Student Projects Scheme, Tamilnadu State Council for Science & Technology, Ch-25
4.	Two Days National workshop on Recent trends in fabrication, characterization & testing of Nano Composites related to combat vehicle components	5 th & 6 th July 2018	Rs. 50,000	DRDO, Directorate of Extramural Research and Intellectual Property Rights (ER & OPR), DRDO Bhawan, New Delhi –110 011.
5.	Two Days International Conference on Recent Developments in Mechanical Engineering	21 st & 22 nd March 2019	Rs.1,50,000	Science and Engineering Research Board (SERB) 5 & 5A, Lower Ground Floor, Vasant Square Mall, New Delhi-110070

RESEARCH CONTRIBUTIONS: List of Research Scholars completed their Ph.D. under My Guidance:

Anna University Recognized Supervisor

S.No	Name of the Research Scholar	Degree	Branch	Month & Year of Registration
1.	S.D. Dhanesh Babu	Ph.D.	Mech	Jan 2016
2.	C. Satheesh	Ph.D.	Mech	Jul 2017
3.	B. Yokesk Kumar	Ph.D.	Mech	Jan 2016
4	K. Giridharan	Ph.D.	Mech	Jan 2016

RESEARCH CONTRIBUTIONS: List of Books / Chapters published

S.No.	Book / Chapter Title	Author's Name
-------	----------------------	---------------

1.	Book: FSW of alloys of Mg using Multi Response Optimization Techniques	Dr.C.Satheesh & Dr.P.Sevvel
2.	Book: FSW of AZ80A Mg alloy – Peak Temperature Distribution and Correlation: A Numerical and Experimental Investigation	Dr.S.D. Dhanesh Babu & Dr.P.Sevvel
3.	Book: Detailed Review on Recent Advancements in Fused Deposition Modeling (FDM)	Mr.I. John Solomon & Dr.P.Sevvel
4.	Book: Trends & Developments in Selective Laser Melting (SLM) – A Detailed Review	Mr.J.Gunasekaran & Dr.P.Sevvel

RESEARCH CONTRIBUTIONS: PAPERS PUBLISHED

International Journals (SCI, WOS & Scopus) : 53

International Conferences :26

National Conferences : 22

https://scholar.google.com/citations?user=nb_-lasAAAAJ&hl=en

<https://www.scopus.com/authid/detail.uri?authorId=56298035900>

SHORT TERM COURSES, SEMINARS, WORKSHOPS AND TRAININGS ATTENDED

- [1] Participated & successfully completed OneWeek Short Term Training Course on “**Dale Carnegie Training on High Impact Teaching Skills& Techniques**” organized by **Mission 10X**, WIPRO & conducted at Sriram Engineering College, Tiruvallur from 4th May – 8th May 2009.
- [2] Participated in One Day National Seminar on “**Guidelines to Sponsored Research Projects**” sponsored by AICTE & organized by Dhanlakshmi College of Engg, Chennai on 6th May 2010.
- [3] Participated in One Day National Workshop on “**Nanofluids Characterization and Application**” sponsored by CSIR, New Delhi& organized by Department of Mechanical Engineering, S.A. Engineering College, Chennai on 28th September 2012.
- [4] Participated in One Day National Workshop on “**Multiresponse Optimization in Manufacturing (MOM 13)**” organized by Dept of MechEngg, SSN College of Engineering, on 22nd October 2013.
- [5] Participated in One Day Workshop on “**Research Opportunities in Material Joining (ROMJ 13)**” sponsored by AICTE, New Delhi & organized by Department of Mechanical Engineering, RMK College of Engineering & Technology, Chennai on 11th November 2013.
- [6] Attended& successfully completed OneWeekFaculty Development Program on “**Design of Experiments and Optimization Techniques**” organized by Department of Mechanical Engineering, Sri Venkateswara College of Engineering, Chennai from 16th – 21st December 2013.
- [7] Participated in One Day National Workshop on “**Testing and Analysis of Weldments (TAW 14)**” organized by Dept. of Mech.Engg, SSN College of Engineering, Chennai on 20th February 2014.

- [8] Attended& successfully completed Three Days National Seminar on “**Hybrid Renewable Energy System**”sponsored by DST, New Delhi & organized by Saveetha Engineering College, Chennai from 19th – 21st February 2014.
- [9] Participated in One Day Workshop on “**R & D Project Proposals – Awareness, Needs & Benefits**”organized by Centre for Technology Development & Transfer, Anna University, Chennai on 26th February 2014.
- [10] Participated in One Day Workshop on “**Friction Stir Welding of Steels (FSWS)**”jointlyorganized by Centre for Materials Joining & Research (CEMAJOR), Annamalai University & Indian Welding Society on 5th March 2014.
- [11] Participated in One Day 6th National Workshop on “**Emerging Materials and Applications**”jointlyorganized by Madras Metallurgical Society & Department of Mechanical Engineering, Aarupadaiveedu Institute of Technology, Paiyanoor on 14th March 2014.
- [12] Attended& successfully completed One WeekFaculty Development Program on “**Engineering Thermodynamics**”organized by Centre for Faculty Development at Velammal Institute of Technology from 17th – 24th June 2014.
- [13] Participated in One Day Workshop on “**Contemporary Approaches in Manufacturing Processes & Materials Science**”organized by Department of Mechanical Engineering, Agni College of Technology, Chennai on 23rd July 2014.
- [14] Participated in One Day National Workshop on “**Multi Objective Optimization**”organized by Department of Mechanical Engineering, St.Joseph’s College of Engineering, Chennai on 4thSeptember 2014.
- [15] Participated in One Day National Workshop on “**Regulated and Unregulated Engine Emissions and its Control Technologies (RUEECT 2014)**”sponsored by DRDO &organized by Department of Mechanical Engineering, Velammal Engineering College, Chennai on 12th September 2014.
- [16] Attended& successfully completed Two WeeksFaculty Development Program on “**Opportunities and Challenges in World Class Manufacturing**”organized by Dept of Mechanical Engg, RMK College of Engineering & Technology, during 22nd April – 6th May 2015.
- [17] Participated in Two DaysNational Level Workshop on “**Product Development – Concepts, Methods & Applications**”organized by Department of Automobile Engineering, KarpagaVinayaga College of Engineering & Technology, Kanchipuram during 9th& 10th September 2015.
- [18] Participated in Three DaysNational Level Workshop on “**Fabrication and Testing of Composite Materials**”organized by Department of Mechanical Engineering, Navodaya Institute of Technology, Raichur during 26th, 27th& 28th September 2016.
- [19] Participated in Three DaysNational Level Workshop on “**New Era in Manufacturing by 3D Printing Technology**”organized by Department of Mechanical Engineering, Navodaya Institute of Technology, Raichur during 16th, 17th& 18th March 2017.
- [20] Participated in One DayNational Level Workshop on “**Recent Trends in Optimization Techniques**”organized by Department of Mechanical Engineering, Velammal Engineering College, Surapet on 21st April 2017.
- [21] Participated in One DayNational Level Workshop on “**Metal Forming Analysis (MFA’17) – An Experimental Learning**”organized by Department of Mechanical Engineering, SSN College of Engineering, Chennai on 24th April 2017.
- [22] Participated in Two Days National Level Workshop on “**Applications of NDT in various Industries**” organized by Department of Mechanical Engineering, Navodaya Institute of Technology, Raichur during 22nd& 23rd September 2017.

REVIEWER FOR INTERNATIONAL JOURNALS

- Ø **Peer Reviewer** for the Elsevier's International Journal: ***MATERIALS & DESIGN*** (ISSN : 0264-1275)
- Ø **Peer Reviewer** for the Springer's ***Journal of Mechanical Science and Technology*** (ISSN : 1976-3824)
- Ø **Peer Reviewer** for the ***Transactions of the Canadian Society for Mechanical Engineering***(ISSN : 0315-8977)
- Ø **Peer Reviewer** for the SCI Journal ***Materials Research Express*** (ISSN : 2053-1591)