

## CURRICULAM VITAE

Name: **Padmalatha TSRV**

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Phone No: 9985491524

### Educational Details:

Program	Institution	Year of Passing	Percentage of marks obtained
PhD(Metallurgical and Materials Engg.)	IIT, Madras	2020	9.5(CGPA)
M.Tech( Production Engg.)	Sri Venkateswara University	2006	74.5%
B.Tech( Mechanical)	JNTU	2000	75%
Intermediate	B.I.E, Andhra Pradesh	1995	88%
High School/ Metric	I.C.S.E	1993	76%

### Occupational Details:

- Teaching Experience: **13Years 6 months**

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1.	Assistant Professor	University College of Engineering, Osmania University	28.06.2007	27.06.2012	AGP 6000
2.	Assistant Professor (Senior Scale)	University College of Engineering, Osmania University	28.06.2012	27.06.2017	AGP 7000
3.	Assistant Professor (Senior Scale)	University College of Engineering, Osmania University	28.06.2017	Till Date	AGP 8000
4	Lecturer(contract)	N.I.T Warangal	2/8/2004	30/5/2005	8000/- consolidated

- Industrial Experience: **2 years 4 months**

Designation	Name of the Employer	Date joining	Date of leaving	Salary with Grade pay
Assistant Executive Engg	Irrigation & CAD Dept	7/7/2005	27/6/2007	9,520/- Basic Pay
Graduate Apprentice	BDL, Hyderabad	3/6/2002	3/9/2002	2,500/- consolidated

#### Ph. D. in Metallurgy and Materials Engineering from IIT Madras.

- **Thesis: WORKABILITY AND HOT DEFORMATION BEHAVIOUR OF METASTABLE BETA TITANIUM ALLOYS Ti 5553 AND Ti 5373**

#### Papers Published:

- **Padmalatha TSRV** and Uday Chakkingal(2019). The Effect of Heat Treatment and the Volume Fraction of the Alpha Phase on the Workability of Ti-5Al-5Mo-5V-3Cr Alloy, Journal of Material Engineering and Performance, 28(1):5352-5360.
- Vishnu Pramod Teja G., Saraswathamma K., **Padmalatha T.S.R.V.** (2020) Machining Characteristics of Electro Discharge Machining on NIMONIC 80A by Response Surface Methodology. In: Satapathy S., Raju K., Molugaram K., Krishnaiah A., Tsihrintzis G. (eds) International Conference on Emerging Trends in Engineering (ICETE). Learning and Analytics in Intelligent Systems, vol 2. Springer, Cham. [https://doi.org/10.1007/978-3-030-24314-2\\_76](https://doi.org/10.1007/978-3-030-24314-2_76)
- Thallapalli N., Balne V.K.G., **Padmalatha T.S.R.V.** (2020) Modelling of Surface Roughness and Tool Wear Rate During Turning of AISI 202 Stainless Steel. In: Satapathy S., Raju K., Molugaram K., Krishnaiah A., Tsihrintzis G. (eds) International Conference on Emerging Trends in Engineering (ICETE). Learning and Analytics in Intelligent Systems, vol 2. Springer, Cham. [https://doi.org/10.1007/978-3-030-24314-2\\_88](https://doi.org/10.1007/978-3-030-24314-2_88)
- B. Laxmi, T.Nagaveni, **TSRV Padmalatha** , K Saraswathamma, “Influence of tool geometry and process parameters on performance characteristics of EN-19 steel in sink type EDM using Taguchi method” International Journal of Engineering Science and Technology, Vol. 9, No.05(2017), 299-310.
- K Saraswathamma, **TSRV Padmalatha**, “Model for the prediction of surface finish in Ball End Magnetorheological finishing process”, International Journal of Engineering and Technology. Vol 9, No 3 (2017), 1582-1590.
- **TSRV Padmalatha**, Madhavi J, K Saraswathamma, “Influence of Process Parameters of Surface Grinding on Maraging Steel” International Journal of Materials Science, Vol.12, Issue No.1 (2017), 127-135.
- **TSRV Padmalatha**, T Nagaveni, K Saraswathamma, “Optimization of Process Parameters for CNC EDM on OHNS tool steel using Desirability Function”, International Journal of Engineering Science and Technology, Vol. 9 , Issue No.03 (2017), 145-151.

- **TSRV Padmalatha**, T Nagaveni, K Saraswathamma, K Chandravathi, “Multi objective optimization Of micro-EDM drilling on Maraging steel by Genetic Algorithm” International Journal of Engineering Science and Technology, Vol. 9 , Issue No.03 (2017), 133-144.

### Conference Contributions

- Thallapalli N., Balne V.K.G., **Padmalatha T.S.R.V.** " Modelling of Surface Roughness and Tool Wear Rate During Turning of AISI 202 Stainless Steel." In: Satapathy S., Raju K., Molugaram K., Krishnaiah A., Tsihrintzis G. (eds) International Conference on Emerging Trends in Engineering (ICETE2019) 22-23 March 2019, University College of Engineering, Osmania University, Hyderabad.
- Vishnu Pramod Teja G, Saraswathamma K and **Padmalatha T.S.R.V.**, “Machining characteristics of Electro Discharge Machining on Nimonic 80A by Response Surface Methodology” International Conference on Emerging Trends in Engineering (ICETE2019), 22-23 March 2019, University College of Engineering, Osmania University, Hyderabad.
- **Padmalatha TSRV** and U. Chakkingal(2016) Workability of a metastable beta titanium alloy Ti-5Mo-5V-5Al-3Cr, ICAMM-2016 –The International Conference on Advances in Materials & Manufacturing at Hyderabad, ,held on Dec 8-10, 2016 at Hyderabad, India.

### Workshops/Seminars attended

1) One Week National online Faculty Development Program (FDP) on “ADVANCED

WELDING TECHNOLOGIES” organised by Department of Mechanical Engineering ,Faculty of Engineering & Technology, JAIN (Deemed-to-be) University, Bengaluru on 04-08th August 2020.

2) completed 2nd One Week International Faculty Development Program – ONLINE on

"Role of Materials and Processing in Additive Manufacturing: 3D Printing to Industry-2020",

from 19th - 24th July 2020 organized by Department of Mechanical Engineering, GLA University, Mathura in association with Indian Institute of Metals (IIM), Mathura Chapter.

3) participated in the one week online FDP on “Enhancing Research and Consultancy Skills” organized by Department of Mechanical Engineering, Rajarambapu Institute of Technology, Rajaramnagar under RIT-Center for Teaching and Learning (RIT-CTL) from June 22 - 26, 2020.

4) one week online training program on, “Implementation of Multi-objective Optimization Algorithm (NSGA-II) using MATLAB” organized by Electrical Engineering Department under RIT-Center for Teaching and Learning (RIT-CTL) during 29th June to 03th July, 2020.

5) Participated in a 6 DAYS F.D.P on ADVANCE TRENDS IN MECHANICAL ENGINEERING ON 22/06/2020 TO 27/06/2020 Jointly organized by MED, Osmania University and Lords Institute of Engineering and Technology.

6) participated in 3 day workshop on "minimal tool for maximum utilization of tools for online teaching" during 9 to 11 Aug 2020 organised by MED,O.U.C.E., Osmania University.

7) Participated in 3day workshop on "outcome based education and NBA accreditation on 12-14 Aug 2020 organised by O.U.C.E., Osmania University

8) Participated in 5 day short term course on " Advanced and Futuristic manufacturing process" conducted by NIFFT, Ranchi in September 2020

9) Participated in ATAL FDP on "SM-ROAD" conducted by MED, Osmania University 07-11 Sept 2020.

10) Participated in ATAL FDP on "3D Printing" conducted by MED, Osmania University 04-09 Nov 2020

11) Attended A two day workshop on "Leadership & Research challenges for Professional Women" at Department of Electrical Engineering, University College of Technology, Osmania University Hyderabad from 4-5 January 2019.

12)Attended 2 week Gian course on "Process analysis and Metrology for Discrete Products Manufacturing" ,13-27 March,2017 15.

13)Attended 2 week "Faculty Development Programme in Entrepreneurship" EDC, Osmania University , 13-25 Feb 2017 16.

14) Attended one day workshop on "Outcome based Education and Accrediation" University college of Engineering, Osmania University,18 Dec 17.

15)Attended three day workshop on "Teaching Pedagogy" , Computer science Dept., Osmania University, 2017

### Workshops/Seminars attended

Attended two day training program on Python Programming	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	Dec 02-03,2020
online one week faculty development program on "Implementation of Multi-objective Optimization Algorithm (NSGA - II) using MATLAB"	Department of Electrical Engineering, Rajarambapu Institute of Technology, RajaRamnagar	29 June-03 July ,2020.
one week online Faculty Development Program on "Enhancing Research and Consultancy skills"	Department of Mechanical Engineering, Rajarambapu Institute of Technology, RajaRamnagar	June 22 -26,2020

one week International faculty development programme online on "Role of materials processing additive manufacturing: 3D to printing to industry-2020"	Mechanical Engineering Department, GLA University, Mathura in Association with Indian Institute of Metals, Mathura chapter	19-24 July, 2020.
one week National online faculty development programme on "Advanced welding Technologies"	Department of Mechanical Engineering, Faculty of Engineering and Technology, Jain University, Bangalore	August 04-08, 2020.
Participated in 3day workshop on "outcome based education and NBA accreditation".	University College of Engineering, Osmania University, Hyderabad	August 12-14, 2020
Participated in one week AICTE ATAL FDP on "SM-ROAD"	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	Sept 7-11, 2020
One week national online workshop on "modelling and simulation in design and manufacturing"	Department of Mechanical Engg, Maulana Azad National Institute of Technology, Bhopal.	Oct 5-9, 2020
Participated in one week AICTE ATAL FDP on "3D printing and design"	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	Nov 2-6, 2020
Attended two day training program on	Department of Mechanical	Dec 02-03, 2020

Python Programming	Engg, University College of Engineering, Osmania University, Hyderabad	
online one week faculty development program on "Implementation of Multi-objective Optimization Algorithm (NSGA-II) using MATLAB"	Department of Electrical Engineering, Rajarambapu Institute of Technology, RajaRamnagar	29 June-03 July, 2020.
one week online Faculty Development Program on "Enhancing Research and Consultancy skills"	Department of Mechanical Engineering, Rajarambapu Institute of Technology, RajaRamnagar	June 22 -26, 2020
one week International faculty development programme online on "Role of materials processing additive manufacturing: 3D to printing to industry-2020"	Mechanical Engineering Department, GLA University, Mathura in Association with Indian Institute of Metals, Mathura chapter	19-24 July, 2020.
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One week national online workshop on "modelling and simulation in design and manufacturing"	Department of Mechanical Engg, Maulana Azad National Institute of Technology, Bhopal.	Oct 5-9, 2020
Participated in one week AICTE ATAL FDP on "3D printing and design"	Department of Mechanical Engg, University College of Engineering, Osmania University, Hyderabad	Nov 2-6, 2020
Participated in one week AICTE ATAL FDP on "Augmented Reality (AR)/ Virtual Reality (VR)"	Sardar Vallabhbhai National Institute of Technology Surat	Jan 18-22, 2021
Participated in one week AICTE ATAL FDP on "Design and Manufacturing"	Pillai College of Engineering	Feb 15-19, 2021
Short Term Course on Recent Advances in Manufacturing and Technology	IIT, Guwahati	22nd to 26th February, 2021
Short Term Course (online) on "Corrosion failure and protection of Engineering Materials"	IIT, Kanpur	1-6 March 2021
e-workshop on "Condition Monitoring and Industrial Automation (CMIA-2021)"	National Institute of Technology Hamirpur (H. P.)	March 22nd - 26th, 2021.

**M.E Project students:**

2018-19: Two students allotted not completed; 1005-18-745103;1005-18-745110

2018-17: Two completed

2016-17 One student not completed 1005-16-745118

1. Vaishnavi 1005-17-745109: "Abrasive wear analysis of EN8 steel under various heat treatment conditions"

2.SreeKeerthi 1005-17-745117:" ANALYSIS OF WEAR UNDER DIFFERENT HEAT TREATMENT CONDITIONS OF ALUMINIUM 7075"

**SILVER MEDAL NEPTAL**