

Curriculum Vitae

Dr. Dipak G. Wagre, PhD

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Assistant Professor, Production Engineering Department
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Google Scholar: <https://scholar.google.com/citations?hl=en&user=Xv3r07wAAAAJ>

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Education:

Degree	School /College /University	Month and Year	CGPA/Marks
Ph.D. Sheet Metal Forming	University of Porto, Portugal	July 2020	15.6/20
M.Tech. Production Engineering	Indian Institute of Technology IIT Delhi	December 2014	7.188/10
B.Tech. Production Engineering	SGGS IE&T Nanded, SRTM University, India	June 2012	6.88/10
M.Tech. Thesis:	Characterization of formability of sheet metals in deep drawing with added lubricant. (IIT Delhi, in Collaboration with Inapal Auto. Ltd, Portugal)		
Ph.D. Thesis:	Numerical Analysis of Forming of Anisotropic Sheet Metals. Supervisor: Prof. Abel D. Santos		

Principal Fields of Interest:

- Artificial Intelligence in manufacturing
- Operation Research
- Metal Manufacturing Processes
- Advanced manufacturing-smart/digital manufacturing
- Smart Materials
- Mechanical Characterization of Materials
- Computer Aided Design and Modelling,
- Finite Element Modeling and analysis,
- Fatigue, Impact Modeling and analysis of Composites

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Experience: Total 2 Years (till date)

Position	Employer	Beginning	Ending
Assistant Professor Production Engineering	Veermata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	04.01.2011	Continuing

Teaching Experience:

Courses Taught from 2021 to 2022 academic years for even and odd semester of Undergraduate and Graduate Student class of 60 students

- Metallurgy and Materials Technology
- Operation Research,
- World Class Manufacturing,
- Infrastructure Management
- Project Risk Management
- Computer Aided Design and Computer Aided Manufacturing (Lab),

Universities/Industries Visited:

- University of Coimbra, Porto, Portugal from 2008-2010 for research collaboration. Visited for Collaborative research.
- Inapal Automotive Pvt. Ltd, Trofa, Porto, Portugal for research. (September 2011 to June 2012).
- Visited University of Porto, Portugal as an exchange student to carry out M.Tech research work (September 2011 to June 2012).
- Completed PhD in Sheet Metal Manufacturing from University of Porto, Portugal in July 2020.

Scholarships and Awards:

- Recipient of **LEADERS** scholarship from **City University London, UK** for PhD research. Duration: June 2015 to June 2018.
- **INDIA4EU** scholarship for M.Tech. research offered by European Union (EU). Duration: September 2011 to June 2012).
- Recipient of **MHRD**, India scholarship at IIT Delhi for teaching assistance during M.Tech. Duration: July 2012 to June 2014.

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- Recipient of **Golden Jubilee Scholarship** from LIC, India, award for meritorious students during Undergraduate of Production Engineering at Shri Guru Gobind Singhji Institute of Engineering and Technology (SGGSIET), Nanded. Duration: 2008 to 2012.

Research and Publications: Total Publications: 03

Papers Published in International Journals	02
Book Chapter	01

Peer reviewed Journal publications

1. Rui L. Amaral, Diogo M. Neto, **Dipak Wagre**, Abel D. Santos and Marta C. Oliveira, Issues on the Correlation between Experimental and Numerical Results in Sheet Metal Forming Benchmarks, *Metals* 2020, 10(12), 1595; <https://doi.org/10.3390/met10121595>.
2. Anvar Makhkamov, **Dipak Wagre**, Antonio M. Baptista, Abel D. Santos, Luis Malheiro, Tribology testing to friction determination in sheet metal forming processes, *Ciência & Tecnologia dos Materiais*, Volume 29, Issue 1, January–April 2017, Pages e249-e253 2017 | journal-article. 08708312, <https://doi.org/10.3390/met10121595>.

Book Chapters

1. Amaral R.L., Santos A.D., Wagre D.G., Miranda S.S., Cruz D.J., de Sá J.C., Numerical Simulation of a Cylindrical Cup Test for Validation of Anisotropic Materials Using Non-associated Flow Rule, *Materials Design and Applications III. Advanced Structured Materials*, vol 149. Springer, pages 223-241, year 2021, https://doi.org/10.1007/978-3-030-68277-4_15.

International Conference Attended:

1. CMN 2017, Congress on Numerical Methods in Engineering, Date: July 3-5, Valencia, Spain.
2. 3rd International Conference on Materials Designs and Applications (MDA) Date: 25-26 June, 2020 Faculty of Engineering, University of Porto, Portugal.
3. DCE17, Doctoral Congress in Engineering, Date: 8-9 June, 2017, FEUP, Porto, Portugal.
4. DCE19, Doctoral Congress in Engineering, Date: 27-28, 2019, FEUP, Porto, Portugal.