

1. Personal Information

- **Name:** Dr. Dipak G. Wagre
- **Position:** Assistant Professor
- **Department:** Production Engineering
- **Contact Information:** dgwagre@sggs.ac.in Office: Ground Floor Cabin.

2. Educational Background

- **Degrees:** All degrees with specialization, university, and year of graduation.

Degree	Specialization	University	Year
B.Tech	Production Engg.	SGGS IE&T Nanded	2012
M.Tech	Production Engg.	IIT Delhi	2015
PhD	Mechanical Engg.	University of Porto, Portugal	2020

3. Research Interests

- **Areas of Expertise:** Specific research areas, fields of study, and scholarly interests.
- **Ongoing Projects:** Current research projects with a brief description.
- **Interdisciplinary Work:** Collaboration with other departments or fields.

4. Teaching Experience

- Teaching faculty at VJTI, Mumbai in Production Engg Department.
- Duration: 2021-2023.
- Faculty at SGGS IE&T Nanded in the production Engg. Department
- Duration: 2023 – Ongoing.
- **Courses Taught:**
- Operation Research, Supply Chain Management, Tool Design, Fluid Mechanics and Hydraulics Machines. Advanced Machine Design for PG.
- **Course Development:** Tool Design, Object Oriented Programming.

5. Publications and Presentations

- **Books:** Book Chapter: Numerical Simulation of a Cylindrical Cup Test for Validation of Anisotropic Materials Using Non-associated Flow Rule. Amaral R.L., Santos A.D., Wagre D.G., Miranda S.S., Cruz D.J., de Sá J.C. (February 2021) In: da Silva L.F.M.

(eds) Materials Design and Applications III. Advanced Structured Materials, vol 149. Springer, Cham. https://doi.org/10.1007/978-3-030-68277-4_15.

- **Journal Articles:**

- Rui L. Amaral, Diogo M. Neto, **Dipak Wagle**, Abel D. Santos, Marta C. Oliveira, Issues on the Correlation between Experimental and Numerical Results in Sheet Metal Forming Benchmarks, *Metals* 2020, 10(12), 1595; <https://www.mdpi.com/2075-4701/10/12/1595>.
- Anvar Makhkamov, **Dipak Wagle**, Antonio M. Baptista, Abel D. Santos, Luis Malheiro, Tribology testing to friction determination in sheet metal forming processes, *Science & Technology of Materials*, Volume 29, Issue 1, January-April 2017, Pages e249-e253 2017, <http://dx.doi.org/10.1016/j.ctmat.2016.07.002>.
- **Conference Papers:** Presentations at academic international conferences.
- **D. G. Wagle**, R. L. Amaral, A. D. Santos and J. César de Sá, Numerical Analysis of Anisotropic Sheet Metals Based on Non-Associated Flow, 3rd International Conference on Materials Design and Applications, MDA2020, Porto 5-6 November 2020, Faculty of Engineering, University of Porto, Porto, Portugal.
- **Dipak Wagle**, Rui Amaral, Abel D. Santos, *Numerical Analysis Based on Non-associated Flow for Forming of Anisotropic Sheet Metals*, DCE19 - 3rd Doctoral Congress in Engineering, 27-28 June 2019, Faculty of Engineering of University of Porto, Portugal.
- **Dipak Wagle**, D.M. Neto, R. Amaral, A.D. Santos, M.C. Oliveira, *Forming and springback behaviour of an industrial aluminium panel – issues on different finite element results and experimental validation*, 2nd International Conference on Materials Design and Applications, July 5 – 6 2018, MDA2018, Faculty of Engineering, University of Porto, Portugal.
- **Dipak Wagle**, Diogo M. Neto, Rui Amaral, Abel D. Santos, Marta C. Oliveira, Luís F. Menezes and José L. Alves, *Some issues on the correlation between experimental and numerical results in sheet metal forming benchmarks*, Congress on Numerical Methods in Engineering CMN2017, July 3 -5 2017, CMN2017, Valencia, Spain.
- **Dipak Wagle**, Abel D. Santos, Diogo M. Neto, Rui Amaral, Marta C. Oliveira, *Springback analysis using finite element method of an aluminium panel processed by sheet metal forming*, 2nd Doctoral Congress of Engineering, June 8 – 9, 2017, DCE17, Faculty of Engineering of University of Porto, Portugal.

- **Editorial Work:** Work as a journal editor or reviewer.

6. Awards and Honors

- **Awards:** Science and Technology for Competitive and Sustainable Industries Research from INEGI - Institute of Science and Innovation in Mechanical and Industrial Engineering; Duration May 2019 to June 2020.
- **Fellowships: LEADERS** Project fellowship PhD scholarship from City University London, UK.
- **Fellowship: Erasmus Mundus**, Master mobility from IIT Delhi to University of Porto, Portugal. Duration 2013 – 2014.
- **GATE-PI Exam-2012:** All India Rank 156.

7. Professional Experience

- **Administrative Roles:** Any leadership or committee roles within the institution (e.g., Dean, Chairperson).
- **Industry Collaboration:** RGSTC Scheme, Supreme Gold Pipes, Pvt. Ltd, MIDC, Nanded.
- **Consulting Work:** Consulting experience in the field.

8. Supervision and Mentoring

- **PhD/Master's Supervision:** List of students supervised, especially PhD and Master's theses.

9. Professional Memberships

- **Associations:** Membership in academic or professional organizations (e.g., IEEE, APA).

10. Miscellaneous

- **Languages:** English, Hindi, Marathi, Portuguese.
- **Skills:** Abaqus, Ansys, FEMAP, CATIA.
- **Personal Interests:** Chess, Carrom, Badminton, Table Tennis, Cricket, Swimming, Travelling.