

## Dr. Sudhir Wamanrao Burande

Ph. D. (Mech. Engg.) , M. Tech (MSD), B.E. (Mech. Engg.)

Contact: 9822231418, 9284040940

Email: [wbsudhir@gmail.com](mailto:wbsudhir@gmail.com), [sudhirwb@rediffmail.com](mailto:sudhirwb@rediffmail.com)



### EDUCATIONAL QUALIFICATION

Qualification	Month & Year of Passing	School/ college	% Marks / CGPA	Class Obtained
Ph. D. (Mechanical Engineering)	04-08-2023	RTMNU Nagpur University, Nagpur, (Maharashtra)	--	--
Post-Graduation M.Tech (MSD)	June - 2011	Indian Institute of Technology Kharagpur,(West Bengal)	7.6	First class
Graduation (Mechanical Engineering)	June 1998	BDCOE ,Sevagram (Maharashtra)	64.29	First class

### ACADEMIC PROJECTS

- ❖ Ph. D. – Experimental and FE Approach for Analysis of Composite Material Leaf Spring
- ❖ POST GRADUATION – Effect of 2-D Surface Roughness Parameters on the Flash Temperature in Solid Body Rubbing
- ❖ UNDER GRADUATION – Flexible Speed Breakers

### TEACHING EXPERIENCE – 21Years

- ❖ Employer - Government of Maharashtra, Directorate of Technical Education, Mumbai
  - Assistant Professor in Mechanical Engineering ,Government College of Engineering Chandrapur (Maharashtra), Duration – 31-10-2003 to 11-06-2025
  - Assistant Professor in Mechanical Engineering ,Government College of Engineering Kolhapur (Maharashtra), Duration – 12 -06-2025 to 11-07-2025
  - Assistant Professor in Mechanical Engineering ,Government College of Engineering Yavatmal (Maharashtra), Duration – 12 -07-2025 to Date

### SUBJECT TAUGHT

- ❖ Kinematic of Machine
- ❖ Stress Analysis
- ❖ Computer Aided Design
- ❖ Finite Element Method
- ❖ Design of Machine Elements

## TOPICS OF RESEARCH/ INTEREST/GUIDANCE

- ❖ **Composite Material**
- ❖ **Design of Machine Elements**
- ❖ **Finite Element Analysis**

- **Approved Research Supervisor under Gondwana University, Gadchiroli**
- **Number of Research Scholars undergoing PhD-02**

## REVIEWER

- ❖ Materials Today Proceedings, Elsevier publication (WoS & Scopus Indexed).
- ❖ Materials Performance and Characterization, ASTM International. (ESCI, Scopus Indexed)

## PAPER PUBLISHED AND SUBMITTED IN INTERNATIONAL JOURNALS

### ❖ **International Journals**

1. Sudhir W. Burande and Ganesh R. Chavhan, "*Experimental investigation into the effect of 2D surface roughness parameters on hot Spot temperature in solid rubbing,*" IORD Journal of Science & Technology, 2016, Vol. 3, No. 1, pp. 107-109.
2. Ganesh R. Chavhan, Sudhir W. Burande, Lalit P. Dhole, "*Analysis of shock absorber using different material of spring,*" International Journal of Advanced Engineering Technology, 2014, Vol. 5, No. 4, pp. 19-21.
3. Sudhir W. Burande, Ganesh R. Chavhan, Lalit P. Dhole, "*Analysis of leaf springs in light automotive vehicles by experimental and finite element approach,*" International Journal of Advanced Engineering Research and Studies, 2014, Vol. 4, No. 1, pp. 15-16.
4. Sudhir. W. Burande, Deepak .V. Bhope, "Dynamic analysis of FRP leaf spring- Critical Review , *Global Journal of Engineering Science and Researches* December 2018, Vol. 5(12), 304-307
5. Sudhir W. Burande, Deepak V. Bhope, "Evaluation and validation of mechanical properties of steel strip embedded unidirectional E-glass fibre reinforced hybrid laminate," *Elsevier Materials Today Proceedings*, Volume 42, Part 2, 2021, 693-699
6. Sudhir W. Burande, Deepak V. Bhope "Review on material selection, tailoring of material properties and ageing of composites with special reference to applicability in automotive suspension", *Elsevier Materials Today Proceedings*, Volume 46, Part 1, 2021, Pages 520-527
7. Sudhir W. Burande, Deepak V. Bhope, "Viscoelastic performance analysis of EN42J steel strip embedded E-Glass fibre hybrid laminate", Taylor and Francis ,*Advances in Materials and Processing Technologies*, ,(2024) 1-13

8. Pramod H Sahare, Lalit P Dhole, SW Burande , “A review paper on investigation of mechanical and wear properties of polymer composites subjected to environmental degradation” , Elsevier ,Materials Today: Proceedings-2024
9. S.C.Jamunkar, L.P.Dhole,S.W. Burande Investigation for the Improvement of Mechanical Properties of Polyamide 66/Polypropylene Composite, International Journal of Research and Analytical Reviews (IJRAR), 2024/2
10. Ganesh R Chavhan, Pawan V Chilbule, Sudhir W Burande, Masnaji R Nukulwar, “Manufacturing and Analysis of Mono-leaf Spring using Composite Material”, Global Journal of Engineering Science and Researches,K 2018/8
11. Shital Jamunkar, Lalit Dhole, Ganesh Chavhan, Sudhir Burande, “Recent advances in ultrasonic welding of dissimilar materials”: A Review , AIP Conference Proceedings, 2024/7/30

## CONFERENCE PAPERS

### ❖ International Conference

1. Ganesh R. Chavhan and Sudhir W. Burande, “*Analysis of Different Shock Absorber Using FFT Analyzer*” International Conference in Recent Trends & Research in Engineering & Science” at VBKCOE, Malkapur, 28<sup>th</sup> -29<sup>th</sup> February, 2016.
2. Sudhir W. Burande and Ganesh R. Chavhan, “*Experimental investigation into the effect of 2D surface roughness parameters on hot Spot temperature in solid rubbing*” International Conference in Recent Trends & Research in Engineering & Science” at VBKCOE, Malkapur, 28<sup>th</sup> -29<sup>th</sup> February, 2016.
3. Sudhir W. Burande, Deepak V.Bhope (2020) Evaluation and validation of mechanical properties of steel strip embedded unidirectional E-glass fibre reinforced hybrid laminate, *Second International Conference on Manufacturing ,Material Science & Engineering (ICMMSE 2020)*,CME Institute of Technology , Hyderabad, India
4. Sudhir W. Burande, Deepak V. Bhope (2020), Review on material selection, tailoring of material properties and ageing of composites with special reference to applicability in automotive suspension,2020 *Second international conference onRecent Advances in Materials and Manufacturing (ICRAMM 2020)*, Velalar College of Engineering and Technology, Erode, India
5. Sudhir W. Burande, Deepak V Bhope ( 2022) Viscoelastic performance analysis of EN42J steel strip embedded E-Glass fibre hybrid laminate,*International conference on Recent Advances in Materials ,Manufacturing and Machine learning- RAMMML 2022*,Yashwantrao Chavan College of Engineering Nagpur Maharashtra ,India (*Received Best Paper Award*)

#### ISTE/AICTE/DST/TEQIP SPONSORED SHORT TERM TRAINING PROGRAMME ATTAINED

1. Two weeks Industrial Training on **CAD & Additive Manufacturing** organized by CIIT, Government College of Engineering, Chandrapur, during 20<sup>th</sup> September 2021 – 01<sup>th</sup> October 2021.
2. One week Online AICTE Sponsored FDP on **Emerging Technologies in Product Design & Development** organized by Department of Mechanical Engineering, Government College of Engineering, Chandrapur, during 14<sup>th</sup> June 2021 – 18<sup>th</sup> June 2021.
3. One week Online AICTE Sponsored FDP on **Environmental Challenges: Process and Pulp Industry** organized by Department of Mechanical Engineering, Government College of Engineering, Chandrapur, during 16<sup>th</sup> March 2021 – 22<sup>nd</sup> March 2021.
4. One week TEQIP Sponsored STTP on **“3D Printing and Additives Manufacturing: The 3<sup>rd</sup> Industrial Revaluation”** organized by Government College of Engineering, Chandrapur during 26<sup>th</sup> - 30<sup>th</sup> September, 2016.
5. One week TEQIP Sponsored training on **“Management Capacity Enhancement”** organized by Government College of Engineering, Chandrapur during 18<sup>th</sup> - 22<sup>nd</sup> January, 2016.
6. Two's day TEQIP Sponsored workshop on Latex and Clementine organized by Government College of Engineering, Chandrapur.
7. One week TEQIP Sponsored training on **“Effective Personnel Management”** organized by Government College of Engineering, Chandrapur during 30<sup>th</sup> December 2013 - 03<sup>rd</sup> January, 2014.
8. Two week AICTE- sponsored FDP on **“Advances in Manufacturing Technology-Hard & Soft”** organized by IPE, Hyderabad during 04<sup>th</sup> - 16<sup>th</sup> February, 2013.
9. One week TEQIP Sponsored STTP on **“Management Training on Emotional Intelligence”** organized by Government College of Engineering, Chandrapur during 28<sup>th</sup> - 01<sup>st</sup> February, 2013.
10. One week TEQIP Sponsored STTP on **“Finite Element Analysis and its Engineering Applications (FEA-2013)”** organized by Government College of Engineering, Chandrapur during 14<sup>th</sup> - 18<sup>th</sup> January, 2013.
11. One week TEQIP Sponsored STTP on **“Objected Oriented Analysis & Design (OOAD-2012)”** organized by Government College of Engineering, Chandrapur during 24<sup>th</sup> - 28<sup>th</sup> December, 2012.
12. One week TEQIP Sponsored STTP on **“Industrial Automation”** organized by Government College of Engineering, Chandrapur during 03<sup>rd</sup> - 07<sup>th</sup> December, 2012.
13. Two week AICTE Sponsored STTP On **“Wavelet Transform and Its Application”** organized by SIRTHS Bhopal during 04<sup>th</sup> - 16<sup>th</sup> June, 2012.

## RESEARCH PUBLICATIONS

- ❖ International Journals : 11
- ❖ National Journals : 00
- ❖ International Conferences: 05
- ❖ National Conferences : 00
- ❖ Total : 16

## PERSONAL DETAIL

**Name** : Dr. Sudhir Wamanrao Burande  
**DOB** : 05/07/1976  
**Gender** : Male  
**Category** : OBC  
**Blood Group** : B+  
**Marital Status** : Married  
**Languages Known** : English, Hindi and Marathi  
**UID No** : 6486 0234 9910  
**PAN No.** : AJBPB0636P  
**Current and**  
**Mailing Address** : 10, Samruddhi Nagar ,Sevagram Road Wardha  
Tal. Wardha , Dist. Wardha. 442001  
**Mob. No.** : 9822231418; 9284040940  
**Email Id** : [wbsudhir@gmail.com](mailto:wbsudhir@gmail.com),  
[sudhirwb@rediffmail.com](mailto:sudhirwb@rediffmail.com)

I declare that the above information is true and correct to the best of my knowledge.

Date: 04-08-2025

Place: Yavatmal

***Dr. Sudhir Wamanrao Burande***