

## -: RESUME :-

**1] Name =** **Prof. Shrinivas Gautamrao Jamdade.**  
Head of Department and Associate Professor in Physics,  
Department of Physics,  
Nowrosjee Wadia College,  
Late V. K. Joag Marg,  
Pune, Maharashtra, India - 411001

**Domain of Research:** Semiconductor Materials and Characterization,  
Wind Energy Resource Analysis and Conversion Systems,  
Data Analysis and Time Series Forecasting

**2] Residential Address =** Subhadra,  
S.No.8+9 / 18+19,  
Lane no.2, Below Canal,  
Near Ganpati Temple,  
Karvenagar, Pune - 411052,  
Maharashtra, India.  
Ph. 091 - 9527444997 (m)

### **3] Academic Qualification =**

Sr. No.	Exam. Passed	Specialization	Year	College / University
1	B.Sc.	Physics	1989	SPPU
2	M.Sc.	Physics	1991	SPPU
3	Ph.D.	Physics	2020	SPPU - Pursuing

### **4] Employment Record =**

Sr. No.	Position Held	Institute	Period
1	Associate Professor	N. Wadia College, Pune	22-07-2003 to up till date
2	Selection Grade Lecturer	N. Wadia College, Pune	22-07-1998 to 21-07-2003
3	Lecturer	N. Wadia College, Pune	06-07-1992 to 21-07-1998

Experience in teaching field is UG - 36 years and PG - 28 years

### **5] Research Publication in Journal =**

- 1] S. G. Jamdade and P. G. Jamdade, "Extreme Value Distribution Model for Analysis of Wind Speed Data for Four Locations in Ireland", International Journal of Advanced Renewable Energy Research, Germany, Vol.1, Issue 5, pp. 254 - 259, June 2012.
- 2] S. G. Jamdade and P. G. Jamdade, "Analysis of Wind Speed Data for Four Locations in Ireland based on Weibull Distribution's Linear Regression Model", International Journal of Renewable Energy Research, Iran, Vol.2, Issue 3, pp. 451 - 455, September 2012.
- 3] P. G. Jamdade, S. V. Patil, S. G. Jamdade, "Assessment of Power Coefficient of an Offline Wind Turbine Generator System", Electronic Journal of Energy and Environment, Chile, Vol.1, Issue 3, pp. 9 - 15, December - 2013.
- 4] P. G. Jamdade and S. G. Jamdade, "Evaluation of Wind Energy Potential for Four Sites in Ireland using Weibull Distribution Model", Journal of Power Technologies, Wroclaw University of Technology, Poland, Vol.95, Issue 1, pp. 48 - 53, May - 2015.

- 5] P. G. Jamdade and S. G. Jamdade, "Modeling and Prediction of COVID-19 Spread in the Philippines by October 13, 2020, by using the VARMAX Time Series Method with Preventive Measures", Elsevier - Results in Physics, 20,103694, 2021, doi: <https://doi.org/10.1016/j.rinp.2020.103694>
- 6] P. G. Jamdade and S. G. Jamdade, "Side effects of Covishield vaccine on COVID-positive history family in India", Wolters Kluwer - Medknow Publisher, World Journal of Surgical Infection, Vol. 1, pp. 40-42, 2022
- 7] R. M. Holmukhe, P. G. Jamdade and S. G. Jamdade, "Assessment of Wind Energy Potential using Poisson Distribution Model - A Field Study in India", Taylor and Francis - Journal of Statistics and Management Systems, Vol.25, Issue 4, pp. 971-981, 2022.
- 8] P. G. Jamdade and S. G. Jamdade, "Complexities of Covishield vaccine on COVID positive history family in India after second (booster) dose", Wolters Kluwer - Medknow Publisher, CHRISMED Journal of Health and Research, Vol. 9, Issue 4, pp. 279-281, 2022.
- 9] P. G. Jamdade and S. G. Jamdade, "Death probability analysis in old aged populations and smokers in India owing to COVID-19", Wolters Kluwer - Medknow Publisher, Radiology of Infectious Diseases, Vol. 9, Issue 3, pp. 79-85, 2022.
- 10] S. G. Jamdade, Dr. P. S. Tambade, and Dr. S. M. Rathod, "Structural and magnetic study of Tb<sup>3+</sup> doped zinc ferrite by sol-gel auto-combustion technique", Nanosystems: Phys. Chem. Math., Vol. 14 (2), pp. 254–263, 2023. DOI 10.17586/2220-8054-2023-14-2-254-263.
- 11] S. G. Jamdade, Dr. P. S. Tambade, and Dr. S. M. Rathod, "Effect of Tb<sup>3+</sup> doping on structural and magnetic properties of CuFe<sub>2</sub>O<sub>4</sub> nanoparticles for biomedical applications", Elsevier - Chemistry of Inorganic Materials, Vol. 1, 100020, 2023. <https://doi.org/10.1016/j.cinorg.2023.100020>
- 12] S. G. Jamdade, Dr. P. S. Tambade, and Dr. S. M. Rathod, "Effect of Cu doping on structural and magnetic properties of Cu<sub>x</sub>Zn<sub>1-x</sub>Fe<sub>2</sub>O<sub>4</sub> nanoparticles for biomedical applications", IOP Publishing Adv. Nat. Sci.: Nanosci. Nanotechnol., Vol. 14, 045007 (9pp), 2023. <https://doi.org/10.1088/2043-6262/ad010b>
- 13] S. G. Jamdade, Dr. P. S. Tambade, and Dr. S. M. Rathod, "Study of Variation in Porosity and Its Associated Parameters due to Cu Doping in Zinc Ferrite using Sol-gel Auto-combustion Method", The Scientific Bulletin - Series B - Chemistry and Materials Science - University POLITEHNICA of Bucharest, Vol. 86, Issue 1, 2024.

#### **6] Research Publication as Book Chapter =**

- 1] P. G. Jamdade and S. G. Jamdade, "Dynamical System Modeling and Simulation for Mechanical Torque Analysis developed by Wind Turbine Generator Excited with Different Wind Speed Profiles", Systems Thinking Approach for Social Problems, Chapter 23, Lecturer Notes in Electrical Engineering, Springer, pp. 267 - 278, Jan 2015.
- 2] P. G. Jamdade, P. A. Godse, P. P. Kulkarni, S. R. Deole, S. S. Kolekar and S. G. Jamdade, "Wind Speed Forecasting using New Adaptive Regressive Smoothing Models", Chapter 9, Springer Proceedings in Energy, Vol. 2, pp. 93-101, 2020, ISBN 978-981-15-2662-6, [https://doi.org/10.1007/978-981-15-2662-6\\_9](https://doi.org/10.1007/978-981-15-2662-6_9)

#### **7] Paper Publication in Conference / Workshop / Seminar =**

- 1] P. G. Jamdade and S. G. Jamdade, "Assessment of Wind Energy Potential for Site Selection Assistance in Ireland using Weibull Distribution Model", 4th International Conference on Advances in Energy Research (ICAER), IIT Bombay, Mumbai, India, pp. 70-75, ISBN: 978-81-928795-0-5, 10-12 December, 2013.
- 2] P. G. Jamdade and S. G. Jamdade, "Wind Speed Analysis by using Logistic Distribution Model for four Locations in Ireland", 4th International Conference on Advances in Energy Research (ICAER), IIT Bombay, Mumbai, India, pp. 76-84, ISBN: 978-81-928795-0-5, 10-12 December, 2013.
- 3] P. G. Jamdade and S. G. Jamdade, "Language of Climate Change: Locating and Categorization of Stormy Risk Zones", International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC), NIT Trichy, Trichirapalli, India, 27-29 September, 2014.

- 4] P. G. Jamdade and S. G. Jamdade, "Impact of Climate Change on Rainfall Patterns in UK", International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC), NIT Trichy, Trichirapalli, India, 27-29 September, 2014.
- 5] P. G. Jamdade, S. V. Patil and S. G. Jamdade, "Modelling and Analysis of Wind Energy Conversion System for Maximum Power Point Tracking", International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC), NIT Trichy, Trichirapalli, India, 27-29 September, 2014.
- 6] P. G. Jamdade, S. V. Patil and S. G. Jamdade, "Performance Analysis of Shunt Active Filter under different loading and Distorted Voltage condition", MATLAB Expo 2016, Pune, India, 26 April, 2016.
- 7] P. G. Jamdade, J. J. Sonawane, K. A. Padalkar, A. V. Chavan, R. Shivsharan and S. G. Jamdade, "Data Analysis and Physical Modeling for Short Term Wind Speed Forecasting at Four Locations in Ireland", MATLAB Expo 2017, Pune, India, 25 April, 2017.
- 8] P. G. Jamdade, Durgesh Vibhandik and S. G. Jamdade, "Cost Viability of Renewable Power Project in Educational Institute in Pune: Case Study", 5th International Conference on Business Analytics and Intelligence (BAI), IIM, Bangalore, India, 11 to 13 December, 2017.
- 9] S. G. Jamdade, Dr. P. S. Tambade, and Dr. S. M. Rathod, "Study of Variation in Porosity and Its Associated Parameters due to Cu Doping in Zinc Ferrite using Sol-gel Auto-combustion Method", 7th International Conference on Nanoscience and Nanotechnology (ICONN-2023) (Virtual Conference) Organized by Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Chennai, India, March 27-29, 2023.
- 10] S. G. Jamdade, Dr. P. S. Tambade, and Dr. S. M. Rathod, "Variation of Porosity and its related Magnetic Parameters due to Tb Doping in Zinc Ferrite prepared by Sol-Gel Auto-combustion Method", International Conference on Computational Nanoscience Energy Storage Technology (ICCNES - 2023) Sponsored by DST - SERB Organized by Post Graduate and Research, Department of Technology, Nallamuthu Gounder Mahalingam College (NGMC) affiliated to Bharathiar University, Coimbatore, India, July 13 - 14 2023

#### 8] Patent =

- 1] "Microwave enhanced cubic ferrite  $\text{MFe}_2\text{O}_4$  and activated carbon for an asymmetric AC/  $\text{MFe}_2\text{O}_4$  supercapacitor device", Federal Republic of Germany, Utility Model No. 20-2024-102-695, IPC - H01G 11/30 dated 04-06-2024

#### 9] Invited - Talks =

- 1] International Workshop on Group IV Photonics, 15 - 20 March, 2022, organized by Department of Electronics and Communication Engineering (ECE), **National Institute of Technology (NIT), Delhi, India** and AIM-HI (Advanced Institute of Manufacturing with High-tech Innovations) and CoE (College of Engineering), **National Chung Cheng University (CCU), Taiwan**

#### 10] Other Technical Publication =

- 1] Book - Renewable Energy and Energy Storage - MU - Prof. Parikshit G. Jamdade, & Prof. Shrinivas G. Jamdade, Tech-Neo Publications, Pune, India, ISBN 978-93-89366-85-3, First Edition June 2019.
- 2] Book - Power Generation Technologies - SPPU - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, Tech-Neo Publications, Pune, India, ISBN 978-93-89302-28-8, First Edition June 2019.
- 3] Book - Energy and Environmental Engineering - BATU - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, BATU - Tech-Neo Publications, Pune, India, ISBN 978-93-86742-53-7, First Edition June 2019.
- 4] Book - Electrical & Electronics Engineering Materials - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, AKTU Tech-Max Publications, Pune, India, ISBN 978-93-5224-505-5, First Edition January 2017.
- 5] Book - Drives and Control - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, Tech-Max Publications, Pune, India, ISBN 978-93-5077-812-0, First Edition January 2016.

- 6] Book - Industrial Drives and Control - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, Tech-Max Publications, Pune, India, ISBN 978-93-5077-835-7, First Edition January 2015.
- 7] Book - Power Electronic Controlled Drives - SPPU - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, Tech-Neo Publications, Pune, India, ISBN 978-93-89835-09-0, First Edition Dec. 2019.
- 8] Book - Electrical Drives - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, AKTU Tech-Max Publications, Pune, India, ISBN 978-93-5077-402-1, First Edition September 2016.
- 9] Book - Control of Electrical Drives - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, GTU Tech-Max Publications, Pune, India, ISBN 978-93-5077-461-8, First Edition January 2017.
- 10] Book - Power System Planning and Reliability - MU - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, Tech-Neo Publications, Pune, India, ISBN - 978-93-89835-47-2, First Edition Dec. 2019.
- 11] Book - Interconnected Power System - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, Tech-Max Publications, Pune, India, ISBN 978-93-5224-387-7, First Edition June 2016.
- 12] Book - Power System Planning and Design - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, Tech-Max Publications, Pune, India, ISBN 978-93-5224-477-5, First Edition January 2017.
- 13] Book - Power System Operation and Control - Prof. Parikshit G. Jamdade & Prof. Shrinivas G. Jamdade, Tech-Max Publications, Pune, India, ISBN 978-93-5224-476-8, First Edition January 2017.
- 14] Book - Electrical Machines - III - MU - Prof. Parikshit G. Jamdade, Prof. Shrinivas G. Jamdade, & Prof. Dr. D. M. Patel, Tech-Neo Publications, Pune, India, ISBN 978-93-89366-77-8, First Edition June 2019.

**11] Membership of Scientific and Professional Societies =**

- 1] Life member of “Indian Association of Physics Teachers”
- 2] Life member of “Indian Physics Association”
- 3] Recognized Post Graduate Teacher at University of Pune.
- 4] Executive member of Pune University Teachers Association (PUTA) from 2008 - 2010
- 5] Regional Coordinator of Maharashtra Talent Search (MTS) Examination from 1995 - 2010
- 6] Member, The International Society for Environmental Information Sciences, Saskatchewan, Canada
- 7] Member of International Association of Computer Science and Information (IACSIT), Singapore.
- 8] Community Associate, The American Chemical Society (ACS), Washington, DC

**12] List of Conference / Workshop / Seminar / Training Program Attended =**

- 1] Orientation Program for college teachers organized by Academic Staff College, University of Pune during 15<sup>th</sup> June to 12<sup>th</sup> July 1995.
- 2] Refresher Course for Physics Teachers organized by Space Science Department, University of Pune during 12<sup>th</sup> August to 8<sup>th</sup> September 1998.
- 3] Refresher Course for Physics Teachers organized by Inter University Center for Astronomy and Astrophysics (IUCAA), Pune Center during 14<sup>th</sup> May to 15<sup>th</sup> June 2001.
- 4] Refresher Course for Physics Teachers organized by Physics Department, University of Pune during 8<sup>th</sup> September to 28<sup>th</sup> September 2003.

**13] Any Other Examination Passed =**

- 1] “G.A.T.E.” examination passed in February 1991 taken by I.I.T. Bombay.
- 2] “NET - CSIR - JRF” examination passed in December 1991 taken by UGC Delhi.