

➤ **List of Publication in Journals:**

Year 2009

1. M. H. Lohgaonkar & et. all, “A Fuzzy Approach to Solve Multi-Objective Transportation Problem”, International Journal Agriculture and Statistical Sciences (IJASS), ISSN: 0973-1903, Vol.5, No.2, pp. 443-452.

2010

2. M. H. Lohgaonkar & et. all, “Additive Fuzzy Multiple Goal Programming Model for Unbalanced Multi-Objective Transportation Problem”, International Journal Machine Intelligence, ISSN: 0975-2927, Vol.2, No.1, pp. 29-34.
3. M. H. Lohgaonkar & et. all, “Fuzzy Multi-Objective Multi-Index Transportation Problem”, Advances in Information Mining, ISSN: 0975-3265, Vol.2, No.1, pp. 01-07.
4. M. H. Lohgaonkar & et. all, “Fuzzy Approach to Solve Multi-Objective Capacitated Transportation Problem”, International Journal of Bioinformatics Research, ISSN: 0975-3087., Vol.2, No.1, pp. 01-14.
5. M. H. Lohgaonkar & et. all, “Fuzzy Multi-Objective Transportation Problem with Interval Cost”, International Journal of Agriculture and Statistical Sciences (IJASS), ISSN: 0973-1903., Vol.6, No.1, pp. 187-196.

2012

6. M. H. Lohgaonkar & et. all, “Fuzzy Goal Programming Model for the Unbalanced Transportation Problem with hyperbolic membership function”, Lokavishkar International E-Journal, ISSN: 2277-727X., Vol.1, No.3, pp. 02-09.

2013

7. M. H. Lohgaonkar & et. all, “Optimization Fuzzy Multi-objective Multi-index Transportation Problem With Linear Membership Function”, International Journal of Statistika and Matematika, ISSN: 2249-8605., Vol.4, No.2, pp. 50-53.

2015

8. M. H. Lohgaonkar, “**Comparing Solution for Non-Normal and normal Triangular, Trapezoidal Fuzzy numbers: A Rank Approach**” International Journal.

➤ **Presentation of Papers at Conferences.**

1. International level conference on Operations Research for a Growing Nation in Conjunction with the 41th annual convention of operational research society of

- India organized by O.R.S.I.- Tirupati Chapter, Dept. of Stat, S.V. U., Tirupati, Dept of OR & SQC, R. U., Kurnool, during 15-17, Dec., 2008, Tirupati.
2. State level conference on Developments in U.G. & P. G. Mathematics with Applications in various fields organized by P.E.S. College of Engineering, Aurangabad, during 02-03 FEB- 2009, Aurangabad..
 3. International level conference on Development and Applications of Statistics in Emerging Areas of Science & Technology organized by Department of Statistics, Jammu University, Jammu, during 08-10, Dec., 2010, Jammu.
 4. National level conference on organized by Department of Statistics, Dr. B.A.M. University, Aurangabad, during 24–25, Feb., 2012, Aurangabad..
 5. International level conference on organized by Department of Statistics, Dr. B.A.M. University, Aurangabad, during 26–28, Dec., 2013, Aurangabad.
 6. Regional Research conference on “**INNOVATION-2014**” organized by H. V. Desai College, Pune, on April 26, 2014.
 7. International level conference on Statistics & Information Technology for a Growing Nation organized by Dept. of Stat, (UGC-SAP-DRS-I & DST-FIST) S.V. University, Tirupati, during 30 Nov–02, Dec., 2014, Tirupati.
 8. National level conference on Recent Trends and Development in Statistics (NCRTDS) organized by Dept. of Statistics, (UGC-SAP-DRS-I Sponsored) M.D. University, Rohtak, during February 21-23, 2015.
 9. Regional Research conference on “**INNOVATION-2015**” organized by Ferguson College, Pune, on June 17, 2015.
 10. International level conference on “**Celebrating Statistical Innovation and Impact in a World of Big & Small Data**” organized by Dept. of Stat & Centre for Advanced Studies, S.P.P. University, Pune in Conjunction with IISA during 20–24 December, 2015.
 11. International Conference on Mathematics Trends and Development (ICMTD17) **in Mathematical Statistics (STA) presented Paper entitled “An Intuitionistic Fuzzy Approach to Solve Multi-objective Transportation Problem”** organized by The Egyptian Mathematical Society during 28 – 30 December, 2017 Cairo, Egypt. 100% financial assistance sanctioned by Savitribai Phule Pune University, Pune Under Young Teacher Professional Travel Grant Scheme.

12. International Conference on Emerging Innovations in Statistics & Operations Research (EISOR-2018) presented Paper entitled “Multi-objective Transportation Problem using An Intuitionistic Fuzzy Approach ”organized by M.D. University, Rohtak, during December 27-30, 2018.

➤ **Participation in National / State / University level workshops:-**

1. University level workshop on Stress free Teaching organized by Padmashree Dr. D.Y.Patil, University, New Mumbai, during 20th Feb., 2010, New Mumbai.
2. National level Seminar on Frontiers in Biotechnology and Bioinformatics organized by Padmashree Dr. D.Y.Patil, University, New Mumbai, during 5-6, March, 2010, New Mumbai.
3. National level Seminar on On Recent Advances in Decision Support Models and Their Applications organized by O.R.S.I.- Tirupati Chapter, Dept. of Stat, S.V. U., Tirupati, Dept. of OR & SQC, R. U., Kurnool., during 10-14, Dec., 2008, Tirupati.
4. National level Workshop on Models Tools in Applied Statistics organized by Department of Statistics, Jammu University, Jammu, during 04-07, Dec., 2010, Jammu.
5. National level Workshop on Research Methodology, QTs and the use of SPSS for Data Analysis organized by Department of Economics, Kolhapur University, Kolhapur, during 25-29, Aug., 2011, Kolhapur.
6. National level Workshop on Exploratory Statistical Data Analysis using Statistical Softwares (NWESDA 2012) organized by Department of Statistics, Dr. B.A.M. University, Aurangabad, during 22–23, Feb., 2012., Aurangabad.
7. University level Workshop on Exam Improvement Programme organized by New Arts, Commerce and Science College, Ahmednagar, during 15 March 2012, Ahmednagar.
8. National level Workshop on Recent Developments in Operations Research and Their Applications organized by Department of Statistics, Dr. B.A.M. University, Aurangabad, during 22–23, Feb., 2013., Aurangabad.
9. University level Workshop on “Revision of F.Y.B.Sc. Statistics / Statistical Technique Syllabi” organized by Department of Statistics, Abasaheb Garware College Pune, during 27th Feb., 2013, Pune.

10. University level Workshop on “Revised Syllabus of Mathematics” organized by Department of Mathematics, Arts, Commerce and Science College Sangamner, Dist. Ahmednagar, during 02nd March, 2013, Sangamner.

➤ **Invited Lectures and Chairmanships at national or international conference/seminar etc.**

1. Invited lecture on “Fuzzy and Operations Research” at National level Seminar on Exploratory Statistical Data Analysis using Statistical Softwares (NWESDA) organized by Department of Statistics, Dr. B.A.M. University, Aurangabad, during 22–23, Feb., 2012, Aurangabad.
2. Invited lecture on “Application of Fuzzy Set Theory in Optimization Techniques” at National level Seminar on RECENT TRENDS IN APPLIED STATISTICS organized by Dept. of Stat. Yashavantrao Chavan Institute of Science, Satara, during 14–15, Dec., 2012, Satara.
3. Chaired session on “optimization technique” at International Conference on Recent Advances in Statistics and their Applications & 33rd Annual convention of ISPS organized by Department of Statistics, Dr. B.A.M. University, Aurangabad, during 26–28, Dec., 2013, Aurangabad
4. Invited lecture on “Sources of Big Data” at national workshop on Big Data & Analytics organized by Department of Statistics, (UGC-SAP-DRS-I & DST-FIST) S.V. University, Tirupati, during 27–30, Nov., 2014, Tirupati.
5. Invited lecture on “Application of Intuitionistic Fuzzy Mathematical Programming with Exponential Membership and Quadratic Non-membership Functions in Matrix Games” at national workshop on “Recent Advances in Statistics Research and Data Analysis” organized by Department of Statistics, N. E. S., Science College, Nanded, during March 27–29, 2015.
6. Invited lecture on “**Data Analysis for Evaluation**” at International Conference on “**Celebrating Statistical Innovation and Impact in a World of Big & Small Data**” organized by Dept. of Stat & Centre for Advanced Studies, S.P.P. University, Pune in Conjunction with IISA during 20–24 December, 2015.
7. Invited lecture on “Use of Statistics in Biological Research” by Dept. of Stat. Yashavantrao Chavan Institute of Science, Satara, on 24th September, 2015, Satara.
8. Invited lecture on “**New Horizons in Statistics**” and Project competition for UG and PG student organized by Dept. of Statistics, Yashavantrao Chavan Institute of Science, Satara on 7 February, 2017.

➤ **Completed Research Projects**

1. **Research Project completed on “A Statistical study on Urban Transportation Problem of Nanded Municipal Corporation area”**, sanctioned during 2013-15, funded by University Grants Commission (UGC), New Delhi.
2. **Research Project completed on “A Statistical study on Solid waste management for Ahmednagar Municipal Corporation area”** sanctioned during 2013-15, funded by BCUD, Savitribai Phule Pune University, Pune.

➤ **Book Published:**

- [1] Research Book Published on “Fuzzy Multi-objective Multi-index Transportation Problem” (ISBN 978-3-659-69473-8) Lap Lambert publisher, Germany.
- [2] Text Book Published on “Business Mathematics and Statistics” (ISBN 978-1-329-35794-5) Statperson Publishing Corporation, Aurangabad.

➤ **Research Guide:**

Research guide in Statistics of Shri Jagdishprasad Jhabarmal Tibrewala University, Mumbai.

➤ **Organized Workshops:-**

- [1] State level workshop on “**Recent Development in Statistics & Their Applications (SPSS)**” held on February 17-18, 2014, Sponsored by BCUD, Savitribai Phule Pune University.
- [2] State level workshop on “**Sources of Big Data & Data Analysis by SPSS**” held on January 27-28, 2016, Sponsored by BCUD, Savitribai Phule Pune University.
- [3] State level workshop on “**Big Data & Data Analysis by SAS**” held on December 24-25, 2016, Sponsored by BCUD, Savitribai Phule Pune University.

➤ **Orientation/ Refresher courses attended:-**

- [1] Attended Orientation course on “Special Summer School in UGC (Statistics)” during 03-23 June, 2013 at Department of Education and Extension, Savitribai Phule Pune University, Pune.
- [2] Attended refresher course on “Computer Application (Statistics)” during 11 November to 01 December, 2013 at Department of Statistics, Savitribai Phule Pune University, Pune.

[3] Attended refresher course on “Fundamentals of Research Methodology” during 01-21 December, 2017 at Pt. Ravishankar Shukla university Raipur.

[4] Attended faculty development programme of one week (seven days) duration on “Innovative Teaching and Research Methodology in Statistics” during 03-09 December, 2018 at Department of Statistics, Savitribai Phule Pune University, Pune.