

Name of the faculty: Dr. Survase Pradnya Annarao



Degination	Assistant Professor
Name of the department	Mathematics
E-mail	survase.pradnya5@gmail.com
Qualification	M.Sc, M.Phil, Ph.D
Teaching Experience	10 Years
Administrative Experience <ul style="list-style-type: none">• Coordinator Academic Research Committee.• Coordinator NPTEL Swayam.• Head department of Statistics and Computer Applications.• Member of IQAC and NAAC Committee.• Working in Exam committee in various capacities such as paper setter, moderator & examiner at college and university level.	
Awards/ Recognitions <ul style="list-style-type: none">• Samata Darshan Prize for securing highest number of marks at B. Sc. Examination held in March/ April 2005.• Sow. Sushiladevi Sudamrao Jadhav Gold Medal for securing highest number of marks and stood First amongst the successful candidates at M. Sc. (Mathematics) examination held in March/April 2007.• Prof. Chintaman Vishnu Limaye Prize for securing highest number of marks at M. Sc. (Mathematics) Examination held in March/April 200.• Girdharrao Deshmukh Prize for securing highest number of marks at M. Sc. (Mathematics) Examination held in March/April 2007.• Rajiv Gandhi National Junior and Senior Research Fellowship at M. Phil and Ph. D, by UGC, New Delhi, India.	
Member of Editorial Board <ul style="list-style-type: none">• Life Member of Indian Mathematical Society.• Member of Indian Science Congress.• Reviewer of Advances and Applications in Mathematical Science.	

Research paper published

- Meenakshi Wasadikar and Pradnya Survase, Incomparability graphs of Lattices, Communication in Computer and Information Science, Springer-Verlag, Berlin Heidelberg, 283 (2012), 78 - 85. ISSN No. 978 – 3 – 642- 34037 – 6.
- Meenakshi Wasadikar and Pradnya Survase, Some properties of graphs derived from lattices, Bulletin Of Calcutta Mathematical Society, 104 (2012), 125 - 138.
ISSN No. 0008 – 0659.
- Meenakshi Wasadikar and Pradnya Survase, Incomparability graphs of lattices II, Lecture Notes in Computer Science, Springer-Verlag, Berlin Heidelberg, 7643(2012), 148 - 161. ISSN No. 0302 – 9743.
- Meenakshi Wasadikar and Pradnya Survase, The zero-divisor graph of a meet-semilattice, Journal of Combinatorial Mathematics and Combinatorial Computing, 89 (2014), 303 – 310. ISSN No. 0835 – 3026.
- Meenakshi Wasadikar and Pradnya Survase, Lattices, whose incomparability graphs have horns, Journal of Discrete Algorithms, 23(2013), 63 - 75. ISSN No. 1570 – 8667.
- Dr. Pradnya A. Survase, Air pollution effects and control – A review article, Research Journey – Multidisciplinary International Research journal, Feb – 2017, Special Issue 12, Page no. 110-112, ISSN 2348- 7143.
- Dr. P. A. Survase, Women Empowerment through Education and other perspectives, Our Heritage, February 2020, Vol. 68, Issue 35 , Pages 167-169. ISSN 0474-9030
- Dr. Pradnya Survase, Smt. Shubhada Ramesh Joshi, Positive impact of current pandemic on teachers, Universe International Journal of interdisciplinary research, July 2021, Vol. 2, Issue 2, Page no. 1- 5, ISSN -2582-6417
- Survase Pradnya A., Applications of Graph Theory in various fields, International Journal of Application or Innovation in Engineering and Manegment, Vol.11, Issue7, July 2022, page 26-29, ISSN 2319-4847.
- N.D. More, V.B. Paikrao, P.A. Survase, S.M. Pawar, Solving fractional Riccati Differential equation by using Fractional Adomian Decomposition method and fractional differential transform method, Novyi Mir Research Journal, Vol.8, Issue 1, January 2023, ISSN0130-7673 UGC Care Group II.

Research paper published/ presented

- 1) Paper presented on “**Incomparability Graphs of Lattices II**” in *23rd International Workshop on Combinatorial Algorithms (IWOCA) held at Kalasalingam University during July 19 – 21, 2012.*
- 2) Paper presented on “**Incomparability Graphs of Lattices**” in International conference on Mathematical Modelling and Scientific Computation (ICMMSC) held at Gandhigram during 16th to 18th March 2012.
- 3) Paper presented on “**Some Properties of graphs derived from Lattices**” in International conference on recent advances in Mathematical Sciences and applications (ICRAMASA) held at Kolkatta during 9th to 11th Dec 2011.
- 4) Paper presented on “**Some properties of the Incomparability graph of a lattice**” in International conference on recent advances in Mathematical Sciences and applications (ICRAMASA) held at Aurangabad during 9th to 11th Dec 2017.
- 5) Paper presented on “**Study of some results on Open subset Inclusion Graph of a Topological Space**” in International conference on Mathematical Techniques in applications of Science and Technology held at Kota, Bilaspur during 22th to 23th Dec 2021.
- 6) Paper presented on “**Study of some results on Open subset Inclusion Graph of a Topological space**” in International conference on Mathematical Sciences and its recent advancements held at Rathinam college of Arts and Science, Eachanari, Coimbatore Tamil Nadu during 5th to 7th May 2022.
- 7) Paper presented on “**Existence and Uniqueness of solution of Fractional order differential equation of finite delay in cone metric space**” in International conference on Mathematical Sciences and applications held at ST. Joseph college ,Tiruchillappalli, Tamil Nadu during 9th to 11th March 2022.
- 8) Paper (poster) presented on “**Zero-divisor graphs of Lattices**” in 96th Indian Science congress conference held at Shillong during 3rd to 7th January 2009.
- 9) Paper presented on “**Zero-divisor graphs of Lattices**” in 74th Indian Mathematical Society conference (IMS) held at Allahabad during 27th to 30th December 2008.
- 10) Paper presented on “**Women Gravience and Empowerment**” in National Conference on Women Empowerment held at Malegaon during 23rd and 24th October 2013.
- 11) Paper presented on “ **Human Population and Environmental effects**” in National Seminar on Environmental Education and Public Awarness held at Malegaon during 22nd and 23rd Sep 2014.
- 12) Paper presented on “**Some properties of Incomparability graphs**” in National Conference on Recent Trends in Mathematics held at Osmanabad during 27th and 28th Sep 2014.
- 13) Paper presented on “ **Zero-divisor graphs of meet –semilattices**” in National Conference on Role of Mathematics in Science, Engineering and Technology held at Ahmednagar during 5th and 6th Jan 2015.
- 14) Paper presented on “ **The Heart of Darkness: A revolutionary**” National

Conference on Human Values and Role of higher education held at S.P. H. Mahila College, Malegaon during 12th and 13th Feb 2016.

- 15) Paper presented on “**Graphs with horns**” in National conference on Recent trends in Mathematics held at Tata institute of social science, Tuljapur during July 15 – 16, 2016.
- 16) Paper presented on “**Air pollution effects and control – A review Article**” in State Seminar on Role of environmental Chemistry in our life, held at SPH Mahila college, Malegaon during February 3rd, 2017.
- 17) Paper presented on “**Role of Music in Mathematics**” in National Conference on Role of Music in Human life, held at SPH Mahila college, Malegaon during February 11 - 12, 2017.
- 18) Paper presented on “**Applications of Graph Theory in various fields**” in State Level Seminar on Recent applications of Mathematics and statistics held at S.P.H. Mahila College, Malegaon during Feb 3rd, 2018.
- 19) Paper presented on “**Incomparability graphs of some special lattices**” in National conference on Recent trends in Mathematics and its application, held at MSG college, Malegaon during December 27 – 29, 2018
- 20) Paper presented on “**Women empowerment through education and other perspectives**” in National conference on Gender equality and women empowerment held at JAT Arts, Science and Commerce college, Malegaon during Feb 15, 2020.
- 21) Paper Presented on **Positive impact of current pandemic on teachers**” in National Conference on Impact of the current epidemic on Indian system, UIJIR Academic Research Foundation during July 24, 2021.
- 22) Paper presented (Online) on “**Graph theory and its Applications**” in National conference on Mathematical Techniques and Applications held at Mahatma Gandhi Mahavidyalaya, Ahmedpur during December 21, 2021.
- 23) Paper presented (Online) on “**Solution of fractional order Mathematical Model by using FDTM,FADM and CFDTM**” in National e-conference on Industrial mathematics and opportunities in IT held at LVH college, Nashik during December March 22- 23, 2022.

Book Published/ chapter in edited book

1. Book Title: Impact of Current Epidemic (COVID -19) on Indian Systems:Chapter 4. Positive impact of current pandemic on teachers, Year – January – 2022, ISBN 978 -93-91538-07-1, Akinik Publication, New Delhi.

Conference/ Seminar/ Workshop organized/ attended

- International Workshop on Combinatorial Algorithms (July 19 – 21, 2012) n-CARDMATH, Kalasalingam University, Krishnankoil, TamilNadu, India.
- International Conference on Mathematical Modelling and Scientific computation

(March 16 – 18, 2012) Department of Mathematics, Gandhigram Rural Institute - Deemed University, Gandhigram, Tamil Nadu, India.

- International Conference on recent advances in Mathematical sciences and applications (December 9 – 11, 2011) Calcutta Mathematical Society, Kolkata, India.
- International Conference of Women Mathematicians (August 17 – 18, 2010) Department of Mathematics, University of Hyderabad, India
- International Congress of Mathematicians (August 19 – 27, 2010) Department of Mathematics, University of Hyderabad, India
- International Conference on Algebra, Discrete Mathematics and Applications (December 9 – 11, 2017) Department of Mathematics, Dr. B.A. M. University, Aurangabad.
- International Conference on COVID 19: Roadmap to Future Environment (June 5, 2020) St. Johns College, Agra
- International Conference on Mathematical Techniques in Application of Science and Technology, (December 22 – 23, 2021) Department of Mathematics, Dr. C. V. Raman University, Kota, Bilaspur
- 8th International Conference on Mathematics and Computing (January 6 – 8, 2022) School of Advanced Science, Department of Mathematics, Vellore Institute of Technology,
- Indian Mathematical Society 74th Annual Conference (December 27 – 30, 2008) Department of Mathematics, University of Allahabad, Allahabad, India.
- The Indian Science Congress Association (January 3 – 7, 2009) North Eastern Hill University, Shillong, India
- State Level Conference on Developments in U.G. & P.G. Mathematics with Applications in Various Fields (Feb 2 – 3, 2009) P.E.S. College of Engineering Aurangabad (M.S.) India
- National conference on Discrete Mathematics, Algebra & Analysis (April 21 – 24, 2013) Department of Mathematics, University of Pune, Pune
- National Conference on Women Empowerment (October 23 – 24, 2013) S.P.H. Mahila Mahavidyalaya, Malegaon Camp
- National Conference on Recent Trends in Mathematics (Sep 27 – 28, 2014) R. P. College, Osmanabad.
- National Seminar on Environmental Education and Public Awareness (Sep 22 – 23,

2014) J. A. T. Arts, Science and Commerce college, Malegaon.

- National Conference on Role of Mathematics in Science, Engineering and Technology (5 – 6 Jan, 2015) New Arts, science and Commerce college, Ahmednagar.
- National Conference on Human Values and Role of higher education (Feb 12 – 13, 2016) Smt. Pushpatai Hiray Arts, Commerce and Science Mahila Mahavidyalaya, Malegaon.
- National Conference on Recent trends in Mathematics (July 15-16, 2016)Tata Institute of Social Science, Tuljapur.
- National Conference on Role of Music in Human life (Feb 11 – 12, 2017)Smt. Pushpatai Hiray Arts, Commerce and Science Mahila Mahavidyalaya, Malegaon.
- State Level Seminar on Role of Environmental Chemistry in our life (Feb 3rd , 2017) Smt. Pushpatai Hiray Arts, Commerce and Science Mahila Mahavidyalaya, Malegaon
- National Workshop on Algebra and its applications (March 17 -18, 2017)Dr. B.A. M. University, Aurangabad
- State level seminar on Recent applications of Mathematics and Statistics (3rd Feb 2018)Smt. Pushpatai Hiray Arts, Commerce and Science Mahila Mahavidyalaya, Malegaon
- National Conference on Recent Trends in Mathematics and its Application (Dec 27 – 29, 2018)MSG College, Malegaon
- National Conference on Gender equality and Women empowerment (Feb 15, 2020)JAT Arts, Science and Commerce college, Malegaon
- National conference on Impact of the current Epidemic on Indian systems (July 24, 2021)UIJIR Academic research Foundation(Online)
- National Conference on Mathematical Techniques and Applications(Dec 21, 2021) Mahatma Gandhi Mahavidyalaya, Ahmedpur.(Online)

Experience as Resource Person

- Delivered a lecture as Resource person at J.A. T. College, Malegaon in Avishkar Workshop.
- Delivered a lecture on NPTEL awarness at M.P. H. Mahila Mahavidyalay,Malegaon in staff academy.
- Delivered a lecture on Role of Mathematics in Social Sciences(Online) at Tata Institute of Social Sciences, Tuljapur.

- Delivered a lecture on Application of Mathematics in Economics(Online) at Tata Institute of Social Sciences, Tuljapur.

Orientation/ Refresher/ Faculty development program completed

- Completed Orientation program from 03 Aug 2015 to 30Aug 2015 at UGC, HRDC, University of Pune, Pune.
- Refresher Course in Mathematical Science 22 June 2017 to 12 July 2017 UGC, HRDC, Punjabi University, Patiala.
- Faculty Development program on Advanced Pedagogical Techniques from 30 June 2021 to 06 July 2021 at TLC, Ramanujan College, MHRD, PMMMNMTT, New Delhi.
- Refresher course in Mathematics/ Operation Research/ Statistics/ Computer Science (IMD) from 04 Oct 2021 to 18 Oct 2021 UGC HRDC, CPDHE, University of Delhi, Delhi.
- Faculty development program on ICT enabled Teaching I Higher Education from 4th May 2022 to 10th May 2022, LVH College, Panchvati and TLC, Ramanujan College, MHRD, PMMMNMTT, New Delhi.

E- Content: <https://youtu.be/Tzimm2Z9bio>

Social Media Links

Research Gate	https://www.researchgate.net/profile/Pradnya-Survase
ORCID ID	0000-0001-5292-6700
Telegram	https://telegram.org/dl
Semantic Scholar	https://www.semanticscholar.org/author/Pradnya-Survase/2798264
Linkedin	https://in.linkedin.com/in/pradnya-survase-14b61270