

BIODATA

Name : Ms. Swati Shrirangrao Mathurkar
Designation : Assistant Professor, Department of Mathematics
Qualification : M.Sc. (Mathematics), B. Ed., Ph. D. (Pursuing)
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ACADEMIC EXPERIENCE

Sr. No.	Name of Organisation	Designation	Period		Teaching profile
			From	To	
1	Government College of Engineering, Amravati	Assistant Professor, Department of Mathematics	26/08/2014	Till Date	U.G. & P. G. Classes
2	Government College of Engineering, Amravati	Visiting Lecturer	13/01/2010	25/08/2014	U.G. Classes

RESEARCH ACTIVITIES

Ph.D. Topic – Study of Laplace Weierstrass Transform in Classical and Generalized Sense

Paper Published in International Journals & Proceedings

1. *Analytic Behaviour of Laplace-Weierstrass Transform*, International Journal of Mathematical Archive-5(10), pp. 243-246, ISSN 2229-5046, October 2014.
2. *On Generalized of Laplace-Weierstrass Transform*, International Journal of Innovative Research in Science, Engineering & Technology, Vol. 5, Issue 10, pp. 17954-17960, October 2016.
3. *Inversion Theorem for Laplace-Weierstrass Transform*, International Journal of Research in Engineering and Applied Sciences (IJREAS), Vol. 6, Issue 10, pp.75-86, October 2016.
4. *Operation Calculus of Laplace-Weierstrass Transform*, International Journal of Pure & Applied Research in Engineering & Technology, Vol. 5(8), pp. 1-7, ISSN 2319-507X, April 2017.
5. *Convolution for Laplace-Weierstrass Transform*, International Journal of Research in Science and Engineering, Vol. 3, Issue 2, March-April 2017.

6. *Initial and Final Value Theorem for Laplace-Weierstrass Transform*, International Journal of Engineering Science and Mathematics, Vol. 6, Issue 8, ISSN 2320-0294, pp. 65-70, December 2017.
7. *Applications of Laplace-Weierstrass Transform*, Aayushi International Interdisciplinary Research Journal, Special Issue No. 26, pp. 1717-1719, 2018.
8. *Laplace Transform on Howell's Space- A New Theory*, Acta Cinecia Indica Vol. XLV-M, No.1-4, 34, pp. 33-38, 2019.
9. *Weierstrass Transform on Howell's Space- A New Theory*, International Organization of Scientific Research Journal of Mathematics (IOSR-JM), Volume 16, Issue 6, Ser. IV, pp. 57-62, Nov-Dec 2020.
10. *Some New Applications of Laplace-Weierstrass Transform*, Journal of Science and Arts, No. 1(54), pp. 15-20, 2021.

Paper Presented in Conferences

1. *Laplace Transform Associated with Weierstrass Transform*, National Conference on Recent Advances in Mathematics and its Applications to Sciences and Engineering, Department of Applied Sciences and Humanities, Shri Sant Gajanan Maharaj College of Engineering, Shegaon, April 29-30, 2013.
2. *Analytic Behaviour of Laplace-Weierstrass Transform*, National Conference on Recent Trends in Mathematics, Gopikabai Sitaram Gawande Mahavidhyalay, Umerkhed, September 21, 2013.
3. *Disambiguation of Laplace-Weierstrass Transform*, International Conference on Recent Advances in Mathematics Department of Mathematics, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, January 20-23, 2014.
4. *Elementary Properties of Laplace-Weierstrass Transform with Analytic Behaviour*, National Conference on Recent Application on Mathematical Tool, Government College of Engineering, Amravati, May 8-9, 2014.
5. *Inverse Theorem for Laplace-Weierstrass Transform*, National Conference on Recent Advances in Mathematical Sciences Department of Mathematics, Sant Gadge Baba Amravati University, Amravati, June 17-18, 2016.
6. *Convolution for Laplace-Weierstrass Transform*, International Conference on Advanced Trends in Engineering, Science and Humanities, Priyadarshini J. L. College of Engineering, Nagpur, December 15-17, 2016.

7. *Application of Laplace-Weierstrass Transform*, International Conference on Recent Trends in Science and Technology, S. S. S. K. R. Innani Mahavidyalay, Karanja, March 22-23, 2018.
8. *Laplace Transform on Howell's space- A New Theory*, presented in International Conference on Advances in Physical, Chemical and Mathematical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, February 13-16, 2020.

Participation in Conferences, Workshops & Trainings

1. Participated in two days National workshop on "Recent Research Trend in Mathematics" organized by Department of Mathematics, Government Vidarbha Institute of Science and Humanities, Amravati on 05-06 December, 2019.
2. Participated in AICTE-ISTE approved Induction/Refresher Programme on, "Advancement in water Resources optimization in and water use efficiency Technique" organized by Government College of Engineering, Amravati during 04/02/2019-09/02/2019, 2019.
3. Participated in one week Faculty Development Program on, "Effective Water Resources optimization and Environment Protection" organized by Government College of Engineering, Amravati during Oct.17-21, 2016.
4. Participated in one day workshop on "Engineering Mathematics" organized by Department of Mathematics, Government College of Engineering, Amravati on 31 August, 2016.
5. Participated in one week Faculty Development Program on "The Art of Teaching – Pedagogy" Organized by Government college of Engineering, Amravati during May 24-28th 2016.
6. Participated in one week Workshop on Research Methodology Organized by Department of Home Science, Sant Gadge Baba Amravati University, Amravati during March 14 -19, 2016.
7. Participated in one week Short Term Training Program on "Classical and Modern Optimization Techniques" Organized by Electrical Engineering Department, Government college of Engineering, Amravati on dated September 21-25th, 2015
8. Participated in TEQIP-II Sponsored ISTE approved one Week Faculty Development Program on "Renewable Energy Sources" Organized by Government College of Engineering, Amravati on dated October 12-16th, 2015.

9. Participated in “National Conference on Mathematical Sciences NCMS” Organized by Shri Dr. R. G. Rathod Arts & science College Murtizapur, Dist Akola on dated Jan 18-19th, 2013.
10. Participated in ISTE Sponsored one day workshop “Role of Mathematics in Engineering and Technology” Organized by ISTE Student Chapter and Department of Science and Humanities on dated March-01, 2013.
11. Participated in National Seminar “Role of Basic Sciences in Emerging Industrial Scenario” Organized by Prof. Ram Meghe Institute of Technology & Research on dated April 8th, 2012.
12. Participated in “National Conference on Allied Trends of Engineering for Development of Technological Aspects” Organized by Dhamangaon Education Society’s college of Engineering & Technology Dhamangaon Rly Dist-Amravati on dated 2nd March 2012.
13. Participated in UGC Sponsored “National Seminar on Present Development and Future Trends in Mathematical Sciences” Organized by Sindhu Mahavidyalay, Nagpur on dated January 28th & 29th, 2012.