

Scientific publication

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Books

Sr.No.	Authors & Title of Book	Publisher	ISBN/ISSN/th>
1.	A Text Book of Agricultural Mathematics	Shri. Rajlaxmi Prakashan, Aurangabad.	978-93-84710-21-7

Publications

Sr. No.	Paper Title	Date/Year of Publication /ISSN	Journal Name	Name of Faculty
1	Upper and Lower Solutions Method for Fractional Differential Equations with Integral Boundary Conditions	Feb 20, 2020 (Scopus Indexed)	International Journal of Applied Mathematics, Vol.33, No. 3, (2020), pp. 479-491. { https://dx.doi.org/10.12732/ijam.v33i3.8 }.	Dr. A. A. Chaudhari
2	Existence Result for Solution of Caputo Nonlinear Fractional Differential Equation with Boundary Value Condition of Integral Type	Feb 2020 (UGC Care Listed Journal)	Our Heritage, ISSN: 0474-9030 Vol-68, Special Issue-38, (2020), 624-630.	Dr. A. A. Chaudhari
3	Caristi type fixed point theorems of Contractive Mapping with application	Feb 2020 (UGC Care Listed Journal)	Our Heritage, ISSN: 0474-9030 Vol-68, Special Issue-38, (2020), 624-630.	Dr. A. A. Chaudhari
4	Generalised Retarded Integral Inequalities of Gronwall-Bellman type	Feb 2020 (UGC Care Listed Journal)	Our Heritage, ISSN: 0474-9030 Vol-68, Special Issue-38, (2020), 624-630.	Dr. A. A. Chaudhari
5	Existence and Uniqueness Results for Solution of Riemann-Liouville Nonlinear Fractional Differential Equation with Boundary Condition of Multipoint Integral Type	March 2020 (UGC Care Listed Journal)	Studies in Indian Place Names, ISSN: 2394-3114 Vol-40-Issue-55, (2020), 432-448.	Dr. A. A. Chaudhari
6	Upper and Lower Solutions Method for Positive Solution of Generalized Caputo Fractional Differential Equations	Oct 24, 2020 (Scopus Indexed)	Advances in the Theory of Nonlinear Analysis and its Applications, Vol. 4, no. 4, (2020), 279-291. { https://doi.org/10.31197/atnaa.org }.	Dr. A. A. Chaudhari

7	A fixed-point theorem for Hardy-Rogers type on generalized fractional differential equation	Dec. 2020 (Scopus Indexed)	Advances in the Theory of Nonlinear Analysis and its Applications 4(4):407-420 { https://doi.org/10.31197/atnaa.767331 }.	Dr. A. A. Chaudhari
8	Approximate fixed points n linear functional mu, sigma nonexpansive mapping on n Banach spaces	Dec. 2020 ISSN 2709-5924	Journal of Mathematical Analysis and Modelling: J Math Anal & Model, Vol. 1, no. 1, (2020), 20-32. ISSN 2709-5924 { http://doi:10.48185/jmam.v1i1.23 }.	Dr. A. A. Chaudhari
9	Generalized fractional differential equations by using a fixed-point theorem for generalized contractive type	Jan. 2021 (Scopus Indexed)	Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications & Algorithms 28(2021)77-88	Dr. A. A. Chaudhari
10	Positive Solution for a Class of Caputo-type Fractional Differential Equations	Feb. 2021 ISSN 2709-5924	Journal of Mathematical Analysis and Modelling: J Math Anal & Model, Vol. 2, no. 2, (2021), 16-29. ISSN 2709-5924 { http://doi:10.48185/jmam.v2i2.274 }.	Dr. A. A. Chaudhari
11	Upper and Lower Solutions Method for Positive Solutions of Psi-Caputo Fractional Differential Equations	Jan. 2022 (Scopus Indexed)	Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis 29(2022)111-123	Dr. A. A. Chaudhari
12	Studied on Structural, Infrared and Optical Properties of Cobalt Ferrite Thin Film Grown by Spray Pyrolysis Technique	March 2022 ISSN: 1662-8985	Advanced Materials Research ISSN: 1662-8985, Vol. 1169, pp 43-48 (2022) Trans Tech Publications Ltd, Switzerland	Dr. A. A. Chaudhari
13	Management Of Seed and Soil Borne Diseases of Safflower	June 2023 ISSN: 0973-7456	Journal of Plant Diseases Sciences 115-117,18(2), 2023 DOI: https://doi.org/10.48165/jpds.2023.1802.09	Dr. A. A. Chaudhari
14	Yield, Nutrient Uptake and Quality of Chickpea as Influenced by Potassium	Nov.23 to Jan 2024 ISSN 2277-7601	An International Refereed, Peer Reviewed & Indexed Quarterly Journal for Applied science VOL. XIII, ISSUE XXXXVIII, MULTILOGIC IN SCIENCE	Dr. A. A. Chaudhari

15	Effect On Plant Nutrient Concentration and Uptake of Rice as Influenced by Soil and Foliar Application of Zinc and Iron in Rice (<i>Oryza sativa</i> L.)	Feb. to April. 2024 ISSN 2277-7601	VOL. XIV, ISSUE XXXXX, MULTILOGIC IN SCIENCE An International Refereed, Peer Reviewed & Indexed Quarterly Journal for Applied science NAAS Rating – 04.17 160	Dr. A. A. Chaudhari
16	Soil and Foliar Application of Zn and Fe Impact on Growth, Grain Yield and Seed Quality of Rice (<i>Oryza sativa</i> L.)	April 2024 ISSN: 2456-9682	Asian Journal of Soil Science and Plant Nutrition Volume 10, Issue 2, Page 110-117, 2024; Article no. AJSSPN.115608	Dr. A. A. Chaudhari
17	Fixed Point Results Using New Helping Functions via Caristi Type	[Mar- Apr] 2024 ISSN No: 2583-7397	Int. Jr. of Contemp. Res. in Multi. Volume 3 Issue 2 DOI: https://doi.org/10.5281/zenodo.10993138	Dr. A. A. Chaudhari
18	Modify Conditions of Hardy-Rogers' Fixed Point Theorem	April 2024 ISSN 2582-7421	International Journal of Research Publication and Reviews, Vol 5, no 4, pp 4239-4243 Journal homepage: www.ijrpr.com	Dr. A. A. Chaudhari
19	Influence of Zinc and Humic Acid Application on Growth Parameter, Yield and Yield Components and Quality Traits of Black Gram (<i>Vigna mungo</i> L.)	May 2024 ISSN: 2320-0227	Journal of Scientific Research and Reports Volume 30, Issue 6, Page 623-630, Article no. JSRR.116724	Dr. A. A. Chaudhari
20	Influence of infield variability in irrigation and fertigation levels on growth and yield of summer chilli (<i>Capsicum annuum</i> L.)	ISSN 2349–8528	International Journal of Chemical Studies 2020; 8(1): 2583-2588	Dr. S. J. Supekar
21	Assessment of fruit quality, dry matter yield and nutrient uptake of summer chilli (<i>Capsicum annuum</i> L.) for different irrigation and fertigation levels	ISSN 2349–8528	International Journal of Chemical Studies 2021; 9(2): 1028-1032	Dr. S. J. Supekar
22	Effect of different irrigation and fertigation levels on fruit quality and yield of summer chilli (<i>Capsicum annuum</i> L.)	ISSN 2349–8528	International Journal of Chemical Studies 2021; 9(2): 1039-1043	Dr. S. J. Supekar

23	Estimation of wue and fue for Different irrigation and fertigation Levels in summer chilli (Capsicum annum L.)	ISSN 2320-2882	International Journal of Creative Research Thoughts (IJCRT) 2021;9(4):1599-1609	Dr. S. J. Supekar
24	Influence of graded levels of potassium on NPK concentration, yield and quality of red gram	ISSN 2349-8528	International Journal of Chemical Studies 2019; 7(3): 5158-5160	Dr. S. J. Supekar
25	Cost of production of Shri Khand blended with ginger powder	ISSN 2349-8528	International Journal of Chemical Studies 2019; 7(4): 2874-2875	Dr. S. J. Supekar
26	Studies on Efficiency of Acids for Unclogging of Inline Type Emitters	ISSN 2349-8528	International Journal of Chemical Studies 2019; 7(6): 2398-2401	Dr. S. J. Supekar
27	Calibration of FAO-aquacrop model for summer chilli (Capsicum annum L.) in Marathwada region	ISSN 2349-8528	International Journal of Chemical Studies 2020; 8(1): 2574-2578	Dr. S. J. Supekar
28	Effect of Growth Regulators and Chemicals on Growth of Kagzi Lime Seedlings	ISSN 2319-7692	Indian Journal of Current Microbiology and Applied Sciences. Special Issue-6, 940-944, 2018	Dr. S. J. Supekar
29	Studies on Efficiency of Acids for Unclogging of Online Type Emitters	ISSN 2349-8528	International Journal of Chemical Studies 2018; 6(6): 2808-2811	Dr. S. J. Supekar
Conferences				
1	Existence and Uniqueness Results for Solution of Nonlinear Fractional Differential Equation with condition of Multipoint Integral Type	16-18 Jan. 2020	(Presented), In Three days National Conference on Recent Trends in Mathematics and its Applications Nonlinear Analysis and its Applications [RTMA-2020].	Dr. A. A. Chaudhari

2	Existence Result for Solution of Caputo Nonlinear Fractional Differential Equation with Boundary Value Condition of Integral Type	13 Feb. 2020	(Presented), In One day National Conference on Recent Advances in Science [NCRAS-2020].	Dr. A. A. Chaudhari
3	Positive solutions for a Psi – Caputo Fractional Differential Equations Using Lower and Upper Solutions	July 27-29, 2020	(Presented), In Three days international e-Conference on Nonlinear Analysis and its Applications(e-ICNAA2020).	Dr. A. A. Chaudhari
4	Upper and Lower Solutions Method for Positive Solution of Hilfer Fractional Differential Equation	21-22 December 2021	(Presented), In Two days international e-Conference on Frontiers in Industrial and Applied Mathematics [FIAM-2021].	Dr. A. A. Chaudhari
Workshops				
1	National Workshop on Differential Equations & Dynamical Systems	Feb 01-03, 2020	Savitribai Phule Pune University.	Dr. A. A. Chaudhari
2	National Level Workshop on LaTeX for Beginners	22-23 June 2020	Pimpri Chinchwad College of Engineering, Pune.	Dr. A. A. Chaudhari
3	International Webinar series on “Advances in Mathematics”	22-27 July 2020	Tata Institute of Social Sciences, Tuljapur.	Dr. A. A. Chaudhari
4	National Webinar on “Advances in Mathematics”	24-26 July 2020	Shrikrishna Mahavidyalaya, Gunjoti, Tq. Omerga, Dist. Osmanabad.	Dr. A. A. Chaudhari
5	One-week National workshop on “Best Practices of ICT Tools in Teaching and Learning”	03-08 Aug. 2020	Jgadguru Rambhadracharya Divyang University Chitrakoot, U. P. 210204.	Dr. A. A. Chaudhari
6	One-week National workshop on Research Methodology and Tools of Data Analysis	16-23 Aug. 2020	Jgadguru Rambhadracharya Divyang University Chitrakoot, U. P. 210204.	Dr. A. A. Chaudhari
7	One day state level workshop on “Differential Equation and its Applications”	21 Oct. 2023	Arts, Commerce and Science College, Kille-Dharur, Dist. Beed-431124	Dr. A. A. Chaudhari