

Publications in refereed journals

1. (with V. Raghavendra) A note on oscillations of implicit differential equations, *Differential Equations Dynam. Systems*, Vol. 15, No. 1-2, 49–60, 2007.
2. (with V. Raghavendra) A note on a generalization of Sturm's comparison theorem, *Nonlinear Dynamics and Systems Theory*, Vol. 8, No. 2, 213–216, 2008.
3. An oscillation theorem for a second order nonlinear differential equations with variable potential, *Electron. J. Diff. Eqs*, No. 19, 1–5, 2009.
4. (with V. Raghavendra) Oscillation of second-order nonlinear differential equations with functional arguments, *Electron. J. Diff. Eqs.*, No. 30, 1–7, 2009.
5. (with V. Raghavendra) Existence of the solution of an implicit integro-differential equation of order one, *Funkcialaj Ekvacioj*, Vol. 52, No. 3, 395–410, 2009.
6. Oscillation of solutions and behavior of the nonoscillatory solutions of second-order nonlinear functional equations, *Nonlinear Dynamics and Systems Theory*, No. 9 (3), 317–326, 2009.
7. Existence of a solution of an implicit functional differential equation of first order, *Functional Differential Equations*, Vol. 17, No. 3–4, 371–389, 2010.
8. Existence of nonnegative solutions for a class of semilinear elliptic systems with indefinite weight, *Nonlinear Analysis T.M.A.*, Vol. 73, No. 9, 2882–2889, 2010.
9. Existence of a nontrivial solution for singular quasilinear equations with sign changing nonlinearity, *Electron. J. Diff. Eqs.*, No. 117, 1–9, 2010.
10. (with R. Dhanya) Existence of nonnegative solutions to positone-type problems in \mathbb{R}^N with indefinite weights, *Electron. J. Diff. Eqs.*, No. 158, 1–16, 2010.
11. (with T. V. Anoop) Positive solution branch for nonlinear eigenvalue problems in \mathbb{R}^N , *Nonlinear Analysis T.M.A.*, Vol. 74, No. 6, 2191–2200, 2011.
12. An oscillation criteria for second-order linear differential equations, *Nonlinear Dynamics and Systems Theory*, Vol. 11, No. 1, 93–97, 2011.
13. Existence of a non-negative solution for prey-predator elliptic systems with sign-changing nonlinearity, *Electron. J. Diff. Eqs.*, No. 153, 1–9, 2011.
14. A global positive solution of a delay differential equation with indefinite coefficients, *Applied Mathematics Letters*, Vol. 25, No. 7, 1068–1070, 2012.
15. Generalizations of Sturm–Picone theorem for second–order nonlinear differential equations, *Taiwanese Journal of Mathematics*, Vol. 17, No. 1, 361–378, 2013.
16. Positive solutions and global bifurcation of strongly coupled elliptic systems, *Electronic J. Diff. Equations*, No. 82, 1–11, 2013.
17. A nonlinear Picone's identity and its applications, *Applied Mathematics Letters*, Vol. 26, No. 6, 624–626, 2013.
18. On an eigenvalue problem involving singular potential, *Complex Variables and Elliptic Equations*, Vol. 58, No. 6, 865–871, 2013.
19. Multiple solutions for singular N -Laplace equations with a sign changing nonlinearity, *Communications on Pure and Applied Analysis*, Vol. 12, No. 6, 2381–2391, 2013.
20. A note on the stability of solutions to quasilinear elliptic equations, *Advances in Calculus of Variations*, Vol. 6, No. 4, 483–492, 2013.
21. Stability of positive solutions to p -Laplace type equations, *Diff. Equ. Appl.*, Vol. 5, No. 4, 549–559, 2013.
22. Nontrivial solutions for singular semilinear elliptic equations on Heisenberg group, *Adv. Nonlinear Anal.*, Vol. 3, No. 2, 87–94, 2014.

- 23.** An existence of positive solutions to singular elliptic equations, *Boll. Unione Mat. Ital.*, Vol. 7, No. 1, 45–53, 2014.
- 24.** (with G. Dwivedi) Remarks on the qualitative questions for biharmonic operators, *Taiwanese Journal of Mathematics*, Vol. 19, No. 6, 1743–1758, 2015.
- 25.** (with G. Dwivedi) A Note on the Caccioppoli Inequality for Biharmonic Operators, *Mediterranean Journal of Mathematics*, Vol. 13, No. 4, 1823–1828, 2016.
- 26.** (with R. B. Verma) A survey on the existence, uniqueness and regularity questions to fully nonlinear elliptic partial differential equations, *Differential Equations & Applications*, Vol. 8, No. 2, 135–205, 2016.
- 27.** (with G. Dwivedi) Picone’s identity for biharmonic operators on Heisenberg group and its applications, *Nonlinear Differential Equations and Applications NoDEA*, Vol. 23, No. 2, Art. 10, 26 pp., 2016.
- 28.** (with G. Dwivedi) Singular Adams inequality for biharmonic operator on Heisenberg group and its applications, *Nonlinear Differential Equations and Applications NoDEA*, Vol. 23, No. 6, Art. 23, 32 pp., 2016.
- 29.** (with G. Dwivedi) Some qualitative questions on the equation $-\operatorname{div}(a(x, u, \nabla u)) = f(x, u)$, *Journal of Mathematical Analysis and Applications*, Vol. 446, No. 1, 456–469, 2017.
- 30.** (with G. Dwivedi, R. B. Verma) On the bifurcation results for fractional Laplace equations, *Mathematische Nachrichten*, Vol. 290, No. 16, 2597–2611, 2017.
- 31.** (with R. B. Verma) Existence of solutions to fully nonlinear elliptic equations with gradient nonlinearity, *Taiwanese Journal of Mathematics*, Vol. 21, No. 5, 1037–1056, 2017.
- 32.** (with R. B. Verma) Positive solution of extremal Pucci’s equations with singular and sublinear nonlinearity, *Mediterranean Journal of Mathematics*, Vol. 14, No. 4, Art. 148, 17 pp., 2017.
- 33.** Eigenvalue problem for fractional Kirchhoff Laplacian, *Rendiconti Lincei Matematica e Applicazioni*, Vol. 29, No. 1, 195–203, 2018.
- 34.** Leighton’s variational lemma for fractional Laplace equation, *Zeitschrift für Analysis und ihre Anwendungen (ZAA)*, Vol. 37, No. 4, 461–473, 2018.
- 35.** (with G. Dwivedi, R. B. Verma) Stability of positive solution to fractional logistic equations, *Funkcialaj Ekvacioj*, Vol. 62, No. 1, 61–73, 2019.
- 36.** (with R. B. Verma) Positive solution to extremal Pucci’s equations with singular and gradient nonlinearity, *Discrete & Continuous Dynamical Systems, Series A*, Vol. 39, No. 5, 2637–2659, 2019.

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