

## List of publications

### **(A) Books and Book Chapters**

1. D. Gopal, P. Kumam, M. Abbas: Background and Recent Developments of Metric Fixed Point Theory, **Taylor & Francis CRC Press** 2017 (December)-ISBN 9780815369455 -CAT# K337983.
2. D. Gopal, A. Deshmukh, S. Yadav, A.S. Ranadive: An Introduction to Metric Spaces, **Taylor & Francis CRC Press** 2020-ISBN9780367493486).
3. D. Gopal, P. Kumam, P. Agarwal: Metric Structures and *fixed point theory*, **Taylor & Francis CRC Press** 2021-ISBN 9781003139607).
4. D. Gopal: Contributions to Fixed Point Theory of Fuzzy Contractive Mappings - Advances in Metric Fixed Point Theory and Applications-**Springer, 2021**.

### **(B) Research Papers**

1. Suzuki type fuzzy Z-contractive mappings and fixed points in fuzzy metric spaces , accepted in **Kybernetika** 2021. (**Impact Factor - 0.892**)
2. Solvability of a Parametric Fractional-Order Integral Equation Using Advance Darbo G-Contraction Theorem, **Foundations** 2021, **1**, 286–303. <https://doi.org/10.3390/foundations1020021>
3. Caristi type mappings and characterization of completeness of archimedean type fuzzy metric spaces", **Advances in Computational Intelligence** , Article number: 13 (2022) 3 <https://doi.org/10.1007/s43674-021-00014-8> - **Springer**.
4. “A Characterisation of Weightable Quasi-metric Generating Functions” **Quaestiones Mathematicae** 2021. (**Impact Factor - 1.474** )
5. Cyclic and Noncyclic Geraghty Type Condensing Operators and Optimal Solutions of Nonlocal Integro-Differential Equations, **TMJ** 2021
6. A NEW FIXED POINT RESULT IN GRAPHICAL  $b_v(s)$ -METRIC SPACE WITH APPLICATION TO DIFFERENTIAL EQUATION, accepted in **Kragujevac Journal of Mathematics** 2021. (**Scopus-ESCI**)
7. A Study of Basic Topological Properties of Non-Triangular Metric Spaces and a Related Fixed Point Result, **Filomat**, (**Impact Factor - 0.844**)
8. A Perov Version of Fuzzy Metric Spaces and Common Fixed Points for Compatible Mappings, **Mathematics** 9 (11), 1290 2021. (**Impact Factor - 2.258** )
9. Topology of non-triangular metric spaces and related fixed point results, **Filomat**,, 35(11) 2021. (**Impact Factor - 0.844**)
10. A general fixed point theorem, **Filomat**, 35(12) 2021. (**Impact Fact or - 0.844**)
11. Note On Recent Fixed Point Results In Graphical Rectangular b-Metric Spaces, accepted in **Science & Technology Asia** 2020. (**Scopus-ESCI**)
12. On Caristi’s fixed point theorem in metric spaces with a graph, **Carpathian Journal of Mathematics**, 36 (2), 259-268 (2020). (**Impact Factor - 1.778** )
13. Some new fixed point results in rectangular metric spaces with an application to fractional-order functional differential equations, **Nonlinear Analysis: Modelling and Control** 25 (4), 580–597 (2020). (**Impact Fact or - 3.257** )
14. On Some New Results in Graphical Rectangular b-Metric Spaces, **Mathematics** 8 (4) (2020), Article number 488. (**Impact Factor - 2.258**)

15. Computational fixed points in graphical rectangular metric spaces with application, **Journal of Computational and Applied Mathematics**, 375, (2020), Article number 112805. **(Impact Factor - 2.621)**
16. Probabilistic  $\alpha$ -min Ciric type contraction results using a control function, **AIMS Mathematics** 5 (2), 1186, 2020. **(Impact Factor - 1.472)**
17. Coupled coincidence and coupled common fixed point theorems on a fuzzy metric space with a graph, **Carpathian J. Math.** 34 (3), (2019) 417-424 **(Impact Factor -1.778)**
18. Generalizations of Darbo's fixed point theorem for new condensing operators with application to a functional integral equation, **Demonstratio Mathematica** 52 (1), 166-182, 2019. **(Scopus-ESCI)**
19. On applications of generalized F-contraction to differential equations, **Nonlinear Functional Analysis and Applications** 24 (1), 155-174 2019. **(Scopus-ESCI)**
20. Some common fixed point theorems for generalized F-contraction involving w-distance with some applications to differential equations, **Mathematics** 7 (1), 32 **(Impact Factor - 2.258)**
21. Common fixed point theorems in fuzzy metric-like spaces employing common property (E.A.), **Mathematical Methods in the Applied Sciences**, 42 (17), 5834-5844 (2019) **(Impact Factor. 2.321)**
22. Nadler and Kannan type set valued mappings in M-metric spaces and an application, **Mathematics** 7 (4), 373 **(Impact Factor - 2.258)**
23. A new class of fuzzy contractive mappings and fixed point theorems, **Fuzzy sets and systems**, 2018. **(Impact Factor - 3.343 )**
24. Solutions of initial and boundary value problems via F-contraction mappings in metric-like space, **International Journal of Nonlinear Analysis and Applications** 9 (1), 129-145, 2018 **(Scopus-ESCI)**
25. Random Fixed Point of Random Hardy-Roger Almost Contraction for Solving Nonlinear Stochastic Integral Equations, **Thai Journal of Mathematics**, 379-395, 2018 **(Scopus-ESCI)**
26. The Approximate Solution for Generalized Proximal Contractions in Complete Metric Spaces, **Thai Journal of Mathematics**, 200-212 , 2018 **(Scopus-ESCI)**
27. Fixed Points of Set-Valued F-Contractions and its Application to Non-Linear Integral Equations, **Filomat**, 2017. **(Impact Factor - 0.844)**
28.  $\alpha$ -type fuzzy H-contractive mappings in fuzzy metric spaces, **Fixed Point Theory**, 2018. **(Impact Factor -2.31)**
29. New fixed point results in rectangular metric space and application to fractional calculus, **Tbilisi Mathematical Journal** 2017. **(Scopus-ESCI)**
30. Hardy-Rogers Type Mappings on Dislocated Quasi Metric Spaces, **Journal of Nonlinear Analysis and Optimization: Theory & Applications** 2017
31. A new fixed point theorem under Suzuki type Z-contraction mappings, **J. Math. Anal** 8 (1), 113-119, 2017 **(Impact Factor -1.583)**
32. Some fixed point theorems in 1-M-complete fuzzy metric-like spaces, **International Journal of General Systems**, 2016. **(Impact Factor -2.080)**
33. Fuzzy-Prešić-Ćirić Operators and Applications to Certain Nonlinear Differential Equations, **Mathematical Modelling and Analysis**, 2016. **(Impact Factor -1.474)**
34. New fixed point results for mappings of contractive type with an application to nonlinear fractional differential equations, **Journal of Fixed Point Theory and Applications**, 2016. **(Impact Factor -2.11)**
35. Fixed points of  $\alpha$ -type F-contractive mappings with an application to nonlinear fractional differential equation, **Acta Mathematica Scientia**, 2016. **(Impact Factor -1.258 )**
36. A new approach to study fixed point of multivalued mappings in modular metric spaces and applications, **Mathematics** 4 (3), 51, 2016 **(Impact Factor - 2.258)**
37. Computational coupled fixed points for F-contractive mappings in metric spaces endowed with a graph, **Journal of Mathematics and Computer Science** 16 (03), 372-385 2016. **(Scopus-ESCI)**
38. A critical remarks on a recent common fixed point theorems for expansion mappings , **Journal of Advanced Mathematical Studies**, Volume 9 (2016), No. 1, pp. 83-93

39. Some coincidence and periodic points results in a metric space endowed with a graph and applications, **Banach J. of Mathematical Analysis**, 2015. **(Impact Factor - 0.99)**
40. Some new fixed point theorems in Menger PM-spaces with application to Volterra type integral equation, **Applied Math. and Computation**, 2014. **(Impact Factor - 4.091)**
41. Some new fixed point theorems in fuzzy metric spaces, **Iranian Journal of Fuzzy Systems**, 2014. **(Impact Factor - 2.10)**
42. On fixed point theorems involving altering distances in Menger probabilistic metric spaces, **Journal of Inequalities and Applications**, 2013. **(Impact Factor - 2.49)**
43. Some discussion on the existence of common fixed points for a pair of map, **Fixed Point Theory and Applications**, 2013. **(Impact Factor - 2.49)**
44. Common fixed points of generalized Meir-Keeler  $\alpha$ -contractions, **Fixed Point Theory and Applications**, 2013. **(Impact Factor - 2.49)**
45.  $(\phi, \psi)$ -weak contractions in intuitionistic fuzzy metric spaces, **Journal of Intelligent and Fuzzy Systems**, 2013. **(Impact Factor - 1.71)**
46. Extensions of almost-F and F-Suzuki contractions with graph and some applications to fractional calculus, **Fixed Point Theory and Appl.**, 2016. **(Impact Factor - 2.49)**
47. An observation on  $\alpha$ -type F-contractions and some ordered-theoretic fixed point results, **Mathematical Sciences**, 2017 **(Impact Factor - 1.98)**
48. A new approach to study of fixed points and multivalued mappings in modular metric spaces and applications, **Mathematics**, 2016. **(Impact Factor - 2.258)**
49. Best proximity for Z-contraction and Suzuki type Z-contraction mappings with an application to fractional calculus, **Applied General Topology**, 2016. **(Q2 Journal)**
50. Fixed point and periodic point results for  $\alpha$ -type F-contractions in modular metric spaces, **Fixed Point Theory and Applications** Dec. 2016 **(Impact Factor - 2.49)**
51. Some discussion on the existence of common fixed points for a pair of maps, **Fixed Point Theory and Applications** 2013, 2013:187, 17 pages **(Impact Factor - 2.49)**
52. Common fixed points of generalized Meir-Keeler  $\alpha$ -contractions, **Fixed Point Theory and Applications** 2013, 2013:260, 16 pages **(Impact Factor - 2.49)**
53. Some endpoint results for beta-generalized weak contractive multifunctions, **The Scientific World Journal** 2013, Article ID 948472, 7 pages. **(Impact Factor - 1.73)**
54. Fixed point theorems on ordered metric Spaces through a rational contraction, **Abstract and Applied Analysis** 2013, Article ID 206515, 9 pages **(Impact Factor - 1.34)**
55. Some existence and uniqueness theorems on ordered metric spaces via generalized distances, **Fixed Point Theory and Applications** 2013, 2013:45, 20 pages. **(Impact Factor - 2.49)**
56. Remarks on PD Operators, **Thai Journal of Mathematics**, 2015. **(Scopus-ESCI)**
57. Common Fixed Point Results for generalized cyclic contraction mappings, **Afrika Matematika**, 2015. **(Scopus-ESCI)**
58. An alternative approach to "fixed point theorems for occasionally weakly compatible mappings", **Journal of the Egyptian Mathematical Society**, 2014. **(Scopus)**
59. Some nonunique common fixed point theorems in symmetric spaces through property, **International Journal of Mathematics and Mathematical Sciences**, 2013. **(Scopus-ESCI)**
60. On fixed point theorems involving altering distances in Menger probabilistic metric spaces, **Journal of Inequalities and Applications** 2013. **(Impact Factor - 2.49)**
61. Erratum to Common fixed points of generalized Meir-Keeler  $\alpha$ -contractions, **Fixed Point Theory and Applications** 2013. **(Impact Factor - 2.49)**
62. A note on recently introduced commutative conditions, **Indian Journal of Mathematics**, 2013. **(Scopus)**
63. Common fixed point theorems in modified intuitionistic fuzzy metric spaces with common property (EA), **Fixed Point Theory and Applications** 2012, 2012:36, 12 pages **(Impact Factor - 2.49)**
64. Metrical common fixed point theorems without completeness and closedness, **Fixed Point Theory**

- and Applications** 2012, 2012:18, 9 pages. (**Impact Factor - 2.49**)
65. Coupled fixed point theorems for mappings satisfying a contractive condition of rational type on a partially ordered metric space, **Adv. Fixed Point Theory 2 (1), 1-8** 2012.
66. Impact of common property (E.A.) on fixed point theorems in fuzzy metric spaces, **Fixed Point Theory and Applications** 2011, Article ID 297360, 14 pages. (**Impact Factor - 2.49**)
67. Absorbing pairs facilitating common fixed point theorems for Lipschitzian type mappings in symmetric spaces, **Communications of the Korean Mathematical Society**, 2011. (**Scopus-ESCI**)
68. Some new common fixed point theorems in fuzzy metric spaces, **Annali Dell'universitadi Fererra**, 2011. (**Scopus**)
69.  $\psi$ -weak contractions in fuzzy metric spaces, **Iranian Journal of Fuzzy Systems**, 2011, 8 (5), 141-148. (**Impact Factor - 2.10**)
70. Common fixed point theorems for mappings satisfying common property (EA) in symmetric spaces, **Filomat** 25 (2), 2011, 59-78 (**Impact Factor - 0.844**)
71. Proving common fixed point theorems for Lipschitz type mappings via absorbing pair, **Bull. Math. Anal. Appl** 3 (4), 92-100, 2011. (**Scopus-ESCI**)
72. Common fixed point theorems for  $(\phi, \psi)$ -weak contractions in fuzzy metric spaces, **Indian Journal of Mathematics**, 2010. (**Scopus**)
73. A note on fixed point theorems in Menger space, **Journal of International Academy of Physical Sciences**, 2010.
74. Common fixed point Theorems for non compatible mappings in fuzzy metric spaces. **Bulletin of Mathematical Analysis and Applications**, 2009. (**Scopus-ESCI**)
75. A Note on Common Fixed Points of Four Mappings in A Fuzzy Metric Space , **JOURNAL OF FUZZY MATHEMATICS** 2009.
76. Some fixed point theorems in fuzzy metric spaces, **Tamkang Journal of Mathematics**, 2008. (**Scopus-ESCI**)
77. Common fixed points of absorbing maps, **Bulletin of the Marathwada Mathematical Society**, 2008.
78. Fixed point theorems via Absorbing maps, **Thai Journal of Mathematics**, 2008. (**Scopus-ESCI**)
79. A Remark on Balasubramaniam Fixed Point Theorem for Four Mappings in A Fuzzy Metric Space , **JOURNAL OF FUZZY MATHEMATICS** 15 (4), 997, 2007.
80. Common fixed point theorems for six discontinuous maps, **International review of pure and appl. Maths**, vol 3, 1, 137-143, 2007.
81. On some open problems of common fixed point theorems for a pair of non-compatible self-maps, **Proc. of Math. Soc., BHU** 20, 135-141, 2004.
82. Common fixed point theorem for non-compatible mappings in fuzzy metric spaces, **Proc. of Math. Soc., BHU** 20, 1-16, 2004.
83. A generalization of some fixed point theorems without continuity, **Proc. of Math. Soc., BHU** 20, 1-19, 1-9, 2003.