Centre/School/Special Centre

Department: Mathematics

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Personal Webpage Link
https://sites.google.com/view/drdhananjaygopal/research/p

Qualifications: PhD

Area of Interest/Specialization: Non-linear analysis and Fuzzy Mathematics

Experience: 15 Years

Awards and Honors : 2009 Young Scientist Award, NKAMC Conference, Chhattisgarh, India
2001 Gold Medal in M.Sc. Mathematics, GGU, Bilaspur

Research Projects: CSIR Govt. of India (CSIR Sanction Reference- 25(0215)/13/EMR-II)
Title: Study on fixed point theorems for single valued and multi valued mappings and their applications to best approximation

International Collaboration/Consultancy: Spain, Serbia, Italy, Iran, South Korea, Thailand, Turkey, Saudi Arabia.

Best Peer Reviewed Publication (up-to 10):

1. D. Gopal, J. Martínez-Moreno, Suzuki type fuzzy Z-contractive mappings and fixed points in fuzzy metric spaces, accepted in **Kybernetika** Volume 57 , 6 (2021) (I. F. 0.892)
2. A. Deshmukh, D. Gopal, Topology of non-triangular metric spaces and related fixed point results, **Filomat,** Vol 35, 11 (2021) 3557–3570) (I. F. 0.844)
3. Dhananjay Gopal, Oscar Valero, Shubham Yadav, A characterisation of weightable Quasi-metric generating functions, **Quaestiones Mathematicae**, 2021: 1–16. (I. F. 1.474)
4 . Chuensupantharat, N., Gopal, D., On Caristi's fixed point theorem in metric spaces with a graph, **Carpathian Journal of Mathematics**, 36 (2), 259-268 (2020). (I. F. 1.778)
5. Budhia, L., Aydi, H., Ansari, A.H., Gopal, D., 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). (I. F. 3.257)

6. P. Baradol, D. Gopal, S. Radenović, Computational fixed points in graphical rectangular metric spaces with application, **Journal of Computational and Applied Mathematics**, 375, (2020), Article number 112805. (I. F. 2.621)

7. D. Gopal, S. Shukla, W. Sintunavarat, A new class of fuzzy contractive mappings and fixed point theorems, **Fuzzy sets and systems**, 350 (1), (2018), 85-94. (I. F. 3.343)

8. D Gopal. M. Abbas, DK Patel, C. Vetro; Fixed points of α-type F-contractive mappings with an application to nonlinear fractional differential equation, **Acta Mathematica Scientia**, 36B(3) (2016), 1-14. (I. F. 1.258)

9. D. Gopal, C. Vetro, M Abbas, DK Patel; Some coincidence and periodic points results in a metric space endowed with a graph and applications, **Banach Journal of Mathematical Analysis** 9 (3), (2015)128-139. (I. F. 0.99)

10. D. Gopal, M. Abbas, C. Vetro; Some new fixed point theorems in Menger PM- spaces with application to Volterra type integral equation, **Applied Mathematics and Computation**. 232, (2014) 955-967. (I. F. 4.091)

Recent Books/Book Chapters/Monographs etc.: Book Authored: 03 (Title -Background and Recent Developments of Metric Fixed Point Theory, Taylor & Francis CRC Press 2017 (December)-ISBN 9780815369455 -CAT# K337983)
(Title– An Introduction to Metric Spaces, Taylor & Francis CRC Press 2020-ISBN9780367493486).
(Title– Metric Structures and fixed point theory, Taylor & Francis CRC Press 2021-ISBN 9781003139607).
Book Chapter: 01 (Contributions to Fixed Point Theory of Fuzzy Contractive Mappings - Advances in Metric Fixed Point Theory and Applications-Springer, 2021)

Research Supervision: 04 (02 ongoing)

Administrative Responsibilities: Coordinator School Magazine-Matematicom, GGV Bilaspur
Coordinator UG/PG admission Mathematics, GGV Bilaspur

Additional Information:
Selected for Visiting Professor in the Department of Mathematics at the University of Jaén, Spain during the spring semester 2022.

Foreign Visits/International Meet
1. Visiting Professor - Department of Mathematics and Statistics, Faculty of Science and Technology, Thammasat University, Thailand during May 11- June 14, 2016.
2. Visiting Researcher- Department of Mathematics King Mongkut's University of Technology Thonburi (KMUTT), Bangkok, Thailand during October 15- November 08, 2015.
3. Visiting Researcher- Visited Department of Mathematics and Applied Mathematics, University of Pretoria, (South Africa) for joint research work during Nov. 24 – 1 Dec., 2013.
4. Visiting Researcher- Visited Department of Mathematics, Azarbaijan University of Shahid Madani, Tabriz (Iran) for joint research work during July 04 – July 13, 2012.
5. Visiting Researcher- Visited Department of Mathematics, Obafemi Awolowo University, Ile-Ife, Nigeria for joint research work during June 15 – July 5, 2011.

Life member: International Academy of Physical Sciences (Allahabad)