Dr. Arijit Ghosh M.Sc., MBA, GDOR, NET, Ph.D Assistant Professor of Mathematics <u>2drghosh@gmail.com</u> arijitghosh@sxccal.edu



Dr. Arijit Ghosh is currently teaching in the Department of Mathematics at St. Xavier's College (Autonomous), Kolkata. He has received his Ph.D (Science) from Jadavpur University, Kolkata for his contribution in the field of Applied Mathematics (Optimization). His current research is focused on the application of optimization techniques in real life problems. With an overall teaching experience spanning more than 18 years in higher education, Dr. Ghosh has been associated as an accomplished professor of Applied Mathematics, Statistics, Research Methodology and Operation Research in St. Xavier's College (Autonomous), Kolkata. He served as a resource person in other reputed institutions such as The Institute of Chartered Accountants of India, Kolkata, The Army Institute of Management, Kolkata, Aliah University and JIS College of Engineering, Kalyani to name a few. He has published several research papers in various national and international conferences. Apart from academic interests he has a keen fascination for various extra-curricular activities. He writes poems, plays harmonica and has exhibited photographs on various exhibitions

## Publications in peer reviewed, refereed national / international journal (2020-2023) :-

- A paper entitled "Selection of Best E-Rickshaw-A Green Energy Game Changer: An Application of AHP and TOPSIS Method" in Journal of Intelligent & Fuzzy Systems(ISSN 1064-1246, E ISSN 1875-8967)(SCI IF: 1.851) Accepted on Mar 03, 2021.
- A paper entitled "Application of Fuzzy TOPSIS Algorithm for Selecting Best Family Car" in 2020 International Conference on Decision Aid Sciences and Applications(DASA) |978-1-7281-9677-0/20/S31.00 (c)2020 IEEE| DOI:10.1109/DASA51403.2020.9317175.
- A paper entitled "Application of Hexagonal Fuzzy MCDM Methodology for Site Selection of Electric Vehicle Charging Station" Mathematics 2021, 9(4), 393; https://doi.org/10.3390/math9040393. Published: 16 February 2021. (SCI IF 1.747)
- **4.** A paper entitled "Identification of Dominant Risk Factor Involved in Spread of COVID-19 Using Hesitant Fuzzy MCDM Methodology". Results in Physics, 103811. February 2021. (SCI IF 4.019)
- **5.** A paper entitled "AHP-TOPSIS Inspired Shopping Mall Site Selection Problem with Fuzzy Data". Mathematics, 8(8), 1380(2020). August 2020. (SCI IF 1.747)
- 6. A paper entitled "A Parametric Gray AHP Coupled TOPSIS Method for Optimal Mobile Selection: An Empirical Study for Different Market Segments" in International Journal (included in ABDC journal quality list) "Empirical Economics Letters" ISSN 1681-8997 Volume 20 Special Issue 1May 2021.

- 7. A paper entitled "Impact of COVID-19 on Individual Wellbeing: Insights from Selected Developing Countries" in International Journal (included in ABDC journal quality list) "Empirical Economics Letters" ISSN 1681-8997 Volume 20 Special Issue 1 May 2021.
- **8.** Book chapter "Industrial Internet of Things and Industry 4.0" in page 10 of "Soft Computing Approach for Mathematical Modeling of Engineering Problems" ISBN9780367685997 by CRC Press.
- **9.** Book chapter "Industry 4.0 and its practice in terms of fuzzy uncertain environment" in page 13 of "Soft Computing Approach for Mathematical Modeling of Engineering Problems" ISBN9780367685997 by CRC Press, in 2021.
- A paper entitled "Socio-economic impact of COVID-19 pandemic:evidence from India and Bangladesh"published in Routledge, Taylor & Francis Group "Journal of Foodservice Business Research" on 17/04/2022. DOI: 10.1080/15378020.2022.2063619.
- 11. A paper entitled "Transformation and risk assessment of the East Kolkata Wetlands (India) using fuzzy MCDM method and geospatial technology" in Elsevier "Geography and Sustainability" Volume 3, Issue 3, September 2022, Pages 191-203.
- 12. A paper entitled "Optimal site selection for women university using neutrosophic multi-criteria decision making approach" in "Buildings" 2023, 13(1), 152
  ; https://doi.org/10.3390/buildings13010152. Published on 6 January 2023. (SCI IF 3.324)
- A paper entitled "Selection of cloud service providers using MCDM methodology under intuitionistic fuzzy uncertainty" in Springer "Soft Computing" volume 27, pages2403–2423 (2023)
- 14. A paper entitled "A new synergistic strategy for ranking restaurant locations: A decision-making approach based on the hexagonal fuzzy numbers" published in "RAIRO Operations Research".(SCI, IF: 2.526)