



Mr. KULDEEP SINGH

Email:

kuldeepsinghbhati599@gmail.com

kuldeepsingh@jcboseust.ac.in

Work Experience

- Working as **Assistant Professor**
Department of Mathematics
J. C. Bose University of Sc. & Tech. YMCA,
Faridabad 121006
Date of joining – 22/07/2019

Contact. No.:

7027353765
9817193761

Permanent Address:

H. No. 1241, VPO Pili Mandori,
Dist – Fatehabad, Haryana
125053

Education

Pursuing PhD from JCBUST, YMCA, Faridabad Date of joining – 29/01/2020

2019 MSc Mathematics from IIT, Delhi

2018 CSIR NET Mathematical Science

2017 JAM (AIR 285)

2017 BSc from Govt. PG College, Hisar (KUK)

| | |
|------------------------|--|
| | Administrative Experiences: |
| Personal Data: | <ul style="list-style-type: none"> • Website Co-cordinator • NIRF Co-cordinator • NBA Co-cordinator |
| Father's Name: | |
| | Sh. Krishan Kumar |
| Date of Birth: | |
| | 14-11-1996 |
| Sex: | <ul style="list-style-type: none"> • B.Tech./ B.Sc./B.A. |
| | Mathematics – I, II, III |
| | Numerical Methods, Group Theory, ODE, NM Lab, Complex Analysis, CA Lab, Calculus, Real Analysis, Linear Algebra |
| Nationality: | |
| | Indian |
| Language Known: | |
| | English, Hindi |
| Marital Status: | |
| | Unmarried |

Paper Published:

1. Tarun Kumar Gupta, Rajesh Kumar Tripathi, Chetan Swarup, Kuldeep Singh, Ramu Dubey, and Vishnu Narayan Mishra, **Higher-order Fractional Programming Problem And Their Duality Theorems In Vector Optimization With Cone- η -invex Functions : AIP Conference Proceedings 2364**, 020024 (2021); <https://doi.org/10.1063/5.0063229>
2. **Title** - Untangling role of cooperative hunting among predators and herd behavior in prey with a dynamical systems approach.
Volume - 162, **Year** - 2022, **Pages** 112420,
Authors - Shivam, Kuldeep Singh, Mukesh Kumar, Ramu Dubey, Teekam Singh
Journal - Chaos, Solitons & Fractals (SCI), **Impact Factor** - 9.922
DOI - <https://doi.org/10.1016/j.chaos.2022.112420>
3. **Title** - Multiobjective Wolfe type symmetric fractional programming problem and their Duality relations with arbitrary cones. .
Volume - 13, **Iss. No.** 3, **Year** - 2022, **pp** 1-14,
Authors - Ramesh Kumar, Balram, Kuldeep Singh, Ramu Dubey
Journal - Mathematics In Engineering (Scopus),
4. **Title** - **Analytical study of delayed prey–predator system in aquatic world**
Volume - 2481, **Iss. No.** 1, **Year** - 2022, **pp** 040035,
Authors - Shivam, Mukesh Kumar, Teekam Singh, Kuldeep Singh, Ramu Dubey
Journal - AIP Conference Proceedings
5. **Title** - **Analytical study of food-web system via turing patterns**
Volume - 2481, **Iss. No.** 1, **Year** - 2022, **pp** 040036,
Authors - Shivam, Mukesh Kumar, Teekam Singh, Ramu Dubey, Kuldeep Singh
Corresponding author: kuldeepsinghbhati599@gmail.com
Journal - AIP Conference Proceedings
6. **Title** - **A class of higher-order symmetry duality in vector optimization problem under strongly higher-order $(Q, T, \tau, \vartheta, e)$ -pseudoconvexity assumptions.**
Volume - 29, **Iss. No.** 3, **Year** - 2022, **pages** 677-685
Authors - Kuldeep Singh, Arvind Kumar, Awanish Kumar Tiwari, Teekam Singh, Ramu Dubey
Journal - Nonlinear Studies

Paper Presented In International Conference:

- 1 Optimization Problems Involving Generalized Higher Order Pseudo Convexity Functions.
5th International Conference on Mathematical Techniques in Engineering Applications (ICMTEA2021)

Seminar/Training Program/Workshop:

- Attended Workshop on Mathematical Modelling and Simulation organized by Department of Mathematics, JC Bose University of Scienced and Technology YMCA Faridabad from 28/01/2020 to 29/01/2020.
- Attended Two days workshop on Applications of Mathematics from 9-10 August 2021 at Department of Mathematics, J. C. Bose University of Sc. & Tech., YMCA, Faridabad
- Attended Ten days Value added course on Vedic Mathematics from 18-28 October 2021 at Department of Mathematics, J. C. Bose University of Sc. & Tech., YMCA, Faridabad

Place: Faridabad

Date: 03/16/2022

Kuldeep Singh

