Mr. KULDEEP SINGH

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

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

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)

Personal Data:

Father's Name:

Sh. Krishan Kumar

Date of Birth:

14-11-1996

Sex:
Male

Nationality:

Indian

Language Known:

English, Hindi

Marital Status:

Unmarried

Administrative Experiences:

- **Website Co-cordinator**
- **NIRF Co-cordinator**
- **NBA Co-cordinator**

Specialization in Teaching:

- **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

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, **Article No.** 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, τ, ϑ, e)-pseudoconvexity assumptions.**
   Volume - 29, **Iss. No.** 3, **Year** - 2022,
   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