

# List of Publications and Communications

The following are the research publications that resulted from the present thesis work.

- (1) **Vishant Shah, Raju K. George, Jaita Sharma, P. Muthukumar** , Existence and Uniqueness of Classical and Mild Solutions of Generalized Impulsive Evolution Equations, International Journal of Nonlinear Sciences and Numerical Solutions, 19(2018), 775-780.
- (2) **Vishant Shah, Jaita Sharma**, Controllability of Non-linear Generalized Impulsive Systems using Functional Analytic Approach, Communicated.
- (3) **Vishant Shah, Jaita Sharma, Prakashkumar H. Patel**, Trajectory Controllability of Dynamical Systems with Non-instantaneous Impulses, YMER, 20(11), 37-46.
- (4) **Vishant Shah, Jaita Sharma, Mohammad Esmael Samei**, Trajectory controllability of second order semilinear systems using the functional analytic approach, communicated.

- (5) **Prakashkumar H. Patel, Haribhai Kataria, Vishant Shah, Jaita Sharma,** Existence Results for the Fractional Order Generalized Cauchy Problem with Non-instantaneous Impulses, Palestine Journal of Mathematics, 12(1)(2023), 254-264.
- (6) **Vishant Shah, Jaita Sharma, Raju K. George,** Existence and Uniqueness of Classical and Mild Solutions of Fractional Cauchy Problem with Impulses, Malaya Journal of Matematik, 11(2023), 66-79.
- (7) **Gargi Trivedi, Vishant Shah, Jaita Sharma, Rajesh Shangvi** On solution of non-instantaneous impulsive Hilfer fractional integro-differential evolution system, Mathematica Applicanda, 51(2023), 33-50.
- (8) **Vishant Shah , Jaita Sharma, Prakashkumar H. Patel and Haribhai R. Kataria,** Trajectory Controllability of the Systems Governed by Hilfer Fractional Systems, YMER, 20(2021), 37-46.