

# **Government General Degree College, Chapra; Kalyani University**

## **Faculty Academic Profile/CV**



**Name of the Faculty:** Dr. Asim Kumar Das

**Designation:** Assistant Professor,

Department of Mathematics

**Specialization:** Fractional Calculus, Fractional Differential Equation and their Applications, Fuzzy Mathematics, Operation Research & Inventory control.

### **Contact Details**

**Residential Address:** Mohiary, Majipara, P.O: Andul-Mouri, Dist: Howrah, Pin: 711302.

**Email Id:** [asd.math@gmail.com](mailto:asd.math@gmail.com)

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### **Academic Qualification**

Abbreviation of the Degree	College/University from which the degree was obtained
B.Sc(Hons) in Mathematics	University of Calcutta
M.Sc in Applied Mathematics	University of Calcutta
Ph.D in Mathematics	Indian Institute of Engineering Science and Technology, Shibpur, Howrah.
NET	CSIR/UGC

**Date of Joining in W.B.E.S:** 21.06.2018

**Date of joining in this College:** 21.06.2018

**Research Field of Interest:** Fractional Calculus, Fractional Differential Equation and their Applications, Fuzzy Mathematics, Operation Research & Inventory control. Sustainable Supply Chain Management.

**Thesis Title:** Studies on Fractional Calculus in Crisp and Fuzzy Environment with Some Applications on Inventory Models.

**Publications:**

1. AK Das, TK Roy; Role of Fractional Calculus to the Generalized Inventory Model; Journal of Global Research in Computer Science, 5(2), pp. 11-23; ISSN: 2229-371X; 2014.
2. AK Das, TK Roy; Fractional Order EOQ Model with Linear Trend of Time-Dependent Demand; International Journal of Intelligent Systems and Applications, 7(3), pp. 44-23, 2015.
3. AK Das, TK Roy; Generalized Fractional Order EOQ Model when Demand is Stock Dependent; International Journal of Mathematical Archive, 8(2), pp. 1-14; ISSN: 2229-5046; 2017.
4. AK Das, TK Roy; Fractional Order Generalized EPQ Model; International Journal of Computational Mathematics and Applied Mathematics, 12(2); pp. 525-536; 2017.
5. AK Das, TK Roy; Exact Solution of Some Linear Fuzzy Fractional Differential Equation using Laplace Transform Method; Global Journal of Pure and Applied Mathematics, 13(9), pp. 5427-5435; 2017.
6. AK Das, TK Roy; Solving Some System of Linear Fuzzy Fractional Differential Equations by Adomian Decomposition Method; International Journal Fuzzy Mathematical Archive, 12(2), pp. 83-92; 2017
7. AK Das, TK Roy; Studies on Imprecise Economic Order Quantity Model using Interval Parameter; Journal of Global Research in Mathematical Archive; 4(8), pp. 16-21; 2017.
8. AK Das, TK Roy; An Imprecise EOQ Model for non-instantaneous Deteriorating Items with Imprecise Inventory Parameters using Interval Number; International Journal of Applied and Computational Mathematics, Springer; 4(II), pp. 1-16; 2018.

**Books/Books Chapter:**

1. AK Das, TK Roy, DK Jana; Fractional Order EOQ Model with Demand Dependent Unit Purchasing Cost under Space Constraints; Recent Advances in Intelligent Information Systems and Applied Mathematics; Springer, pp. 1-17; 2019.

**Seminar/ Webinar Participation:**

1. A 3-days 2<sup>nd</sup> International Conference on Information Technology and Applied Mathematics (ICITAM 2019) organized by Haldia Institute of Technology, MKAUT, 2019.

2. International Webinar on ‘Ramification of some precaution for controlling diseases under the global sustainable supply chain management’ Organized by Department of mathematics, Narasinha Dutta College, 2020.
3. National webinar on ‘Impact of Covid Pandemic on Global and Indian Economy’ Organized by Prasanta Chandra Mahalanobis Mahavidyalaya,2020.
4. International Webinar on ‘Mathematical Modelling of Covid-19 Propagation Kinetics: Hard Immunity of Containment’ organized by Prabhu Jagatbandhu College,2020.
5. National Webinar on ‘Role of Data Science in studying Covid-19 Pandemic organized by Dept of Mathematics, Bethun College, 2020.
6. National Webinar on ‘Modern era of scientific research and medical ethics to Combat Corona Pandemic’ organized by Jangipur College, Murshidabad, 2020.
7. Four days Webinar Series Lecture Workshop-1 on ‘How we think project/low cost experiment set up in Ordinary Laboratory’ organized by PDPS-LW & Department of Physics, Bhattar College, Dantan and collaboration with Egra S.S. B College, 2020.
8. A two-day International Webinar on ‘Algebra Analysis & Topology’ organized by Bankura University, 2020.
9. TEQIP-III Funded 5-days Faculty Development Program on ‘Applied Mathematical Skills for science and Engineering using Contemporary tools’ organized by Moulana Abul Kalam Ajad University of Technology, 2020.

### **Faculty Induction Program (FIP)**

Successfully completed the 172 contact hours ‘**On-line Faculty Induction program**’ from 12<sup>th</sup> January to 16<sup>th</sup> February 2021 organized by UGC-HRDC, Aligarh Muslim University, Aligarh, 2021.