FEROZE GANDHI COLLEGE RAEBARELI
NAAC-Accredited Grade"A"College
Affiliated to University of Lucknow,
Lucknow Established on 8th August,
1960

DR.VIRENDRA KUMAR

Name : Dr.Virendra Kumar
(M. Sc, Ph.D.)
Father's name : Ramdhari
Present Designation : Assistant Professor
Date of Birth : 15th August, 1990
Date of Joining : 13th June, 2022

Official Address : Department of Chemistry, Feroze Gandhi College, Raebareli-229001,Uttar Pradesh (India)
Permanent Address : Village-Mahaganwan, Post-Siddikipur, District Jaunpur-222001, Uttar Pradesh (India)
Phone (Mobile) : +91-6306648244, +91-9369355496
Email : virendrasahagal1990@gmail.com

Introduction : Dr. Virendra Kumar completed his doctorate degree from University of Lucknow, in the area of Kinetics, Mechanistic, DFT studies of some Pharmaceutical Drugs, Nanoparticale synthesis and characterization. He is an Assistant Professor at Feroze Gandhi College Raebareli, where he is engaged in teaching at graduate and postgraduate classes. He has published 05 papers in reputed international journals. **2** Book Chapter and **1** Book of Physical Chemistry

Courses Taught :

Under graduate (B.Sc)

- Organic Chemistry
- Physical Chemistry

Post Graduate (M.Sc)

- Natural Product
- Practical (Physical Chemistry)
- Physical Chemistry
- Inorganic Chemistry

- Inorganic Chemistry
- Practical

Research Description: Worked as research scholar (**Ph.D**) under the supervision of **Dr. Amrita Srivastava,** Assistant Professor, in the area of Physical chemistry. (Published 05 peer-reviewed scientific articles), 2 Book Chapter, and 1 Book of Physical Chemistry

Awards/Honours/Felloships :

2012: Qualified **National Eligibility Test (NET)** for Eligibility for Lectureship, Conducted jointly by Council of scientific & Industrial Research-University Grant Commission New Delhi.

Research Articles:

- Kinetic, Mechanistic and Quantum Chemical Calculations of Ru(III) Catalysed Redox Reaction of Aspirin by NBS in Acidic Medium, Amrita Srivastavaa**, Virendra Kumar,** Ashish Verma**,** Madhu Gupta**,** Yougesh Dubey, *Journal of Information and Computational Science*, Volume 9, Issue 11, **2019**, 516-540 .
- Kinetic, Mechanistic And Quantum Chemical Investigations of Ru(III) Catalysed Redox Reaction of Paracetamol by NBS in Acidic Medium, Amrita Srivastava**, Virendra Kumar,** Ashish Verma**,** Roop Kumar**,** Madhu Gupta, *Journal of Information and Computational Science*, Volume 9, Issue 11, **2019,** 806-830.
- Kinetics and Mechanistic Studies of Ru(Iii) Catalysed Oxidation of Antibiotic Drug Chloramphenicol by $KBrO_3$ in Acidic Medium, Amrita Srivastava, Ashish Verma, Madhu Gupta and Virendra Kumar, Journal of Biological and Chemical Research, 36 (1), 142-148, 20/06/2019.
- Kinetic, Mechanistic and Quantum Chemical Investigations of Osmium (VIII) catalysed bromination of paracetamol by acidic N-bromosuccinimide (Iodometric titration), *Russian Journal of Organic Chemistry*, Amrita Srivastava, **Virendra Kumar**, Ashish Verma Poornima Devi & Alka Singh, Russian Journal of Organic Chemistry, 2024, Vol. 60, No. 1, pp. 101–114.
- Quantum Mechenical (In-Silico) Investigations of Ru(III) Catalysed Redox Reaction of Aspirin by NBS in Basic Medium, Virendra Kumara, Amrita Srivastava, Poornima Devi, Alka Singh, Neha Agrawal, Journal of Information and Computational Science, Vol. 14 Issue 02 – 2024, 203-218.

Paper/Abstract presented

- Presented poster on Kinetic and Mechanistic investigations of Ru(III)/Os(VIII) Catalysed Redox Reaction in international seminar.
- Presented poster on Kinetic and Mechanistic Study of Os(VIII) Catalysed Redox Reaction of Paracetamol by NBS in Acidic Medium in International seminar.
- Presented poster on Kinetic and Mechanistic investigation of Os(VIII) Catalyzed Redox Reaction of Aspirin by NBS in Acidic Medium in international seminar.
- Presented poster on Presented poster on Kinetic and Mechanistic Study of Ru(III) Catalysed Redox Reaction of Paracetamol by NBS in Acidic Medium in national seminar.
- Presented poster on Presented poster on Kinetic and Mechanistic Study of Ru(III) Catalysed Redox Reaction of Chlorempheniсol by NBS in Acidic Medium in national seminar.

- ❖ Presented Oral Presentation on Quantum Chemical Investigation of Ru(III) Catalysed Paracetamol product in Acidic Medium in International seminar.
- ❖ Presented poster on Kinetic and Mechanistic investigation of Os(VIII) Catalyzed Bromination of Paracetamol by Acidic N-bromosuccinamide (Iodometric Titration) Medium in international seminar.

Book:

Published **Book** entitled ' Physical Chemistry-I' Thakur Publication Pvt. Ltd. Lucknow, **ISBN:**978-93-5755-170-0

Book Chapter:

1. Published **Book Chapter** entitled "Some Biologically Potent Pyrrolidine, Pyridopyrimidine and Thiobarbituric Acid Derivatives'' in "Advanced Research in Chemistry (Volume - 6); Editors: Dr. Dhondiram Tukaram Sakhare. AikNik Publisher New Delhi. **ISBN:** 978-93-5570-603-4.
2. Published **Book Chapter** entitled "Release and Accumulation of Pharmaceuticals in the Environment: A Critical Risk Assessment and Challenges for the Environment, Ecosystem and Human Health'' in "Pharmaceuticals: Boon or Bane; Editors: Dr. Neha Agrawal, Nova Science Publishers, Inc.. **ISBN:**979-8-88697-487-4