RAYAT SHIKSHAN SANSTHA'S
KARMAVEER BHAURAO PATIL COLLEGE

FACULTY PROFILE

NAME : **Ms. Gayatri M. Gaidhane**

QUALIFICATION : **M.Sc. Inorganic, SET, PhD(Appearing)**

Email ID : **gmgaidhane@kbpcollegevashi.edu.in**

DEPARTMENT : **Chemistry**

DESIGNATION : **Assistant Professor**

EXPERIENCE(Yrs.) : **11 Years**

SPECIALIZATION : **Inorganic Chemistry**

PUBLICATIONS:

Research Publications in Journals-

1. Reversed-Phase High-Performance Liquid Chromatography Quantification, Gas Chromatography–Mass Spectrometry Study and In Vitro Antioxidant Potential of Clerodendrum serratum Linn. Roots. Indian Journal of Pharmaceutical Sciences. https://doi.org/10.36468/pharmaceutical-sciences.1008
2. An Efficient Synthesis of 2,4,5-Triaryl-1HImidazole Derivatives Catalyzed by Boric Acid in Green Condition. International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) https://doi.org/10.48175/IJARSCT-3098
3. Synthesis, Characterization and Biological Activity of Some Mixed Ligand Transition metal Complexes. International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) https://doi.org/10.48175/IJARSCT-3098
4. Synthesis of folic acid functionalized, tannic acid-based gold quantum dots for potential use in various applications. J Mater Sci: Mater Electron. https://doi.org/10.1007/s10854-023-11489-1

Papers Published in conference proceedings-

1. Synthesis and Characterization of Versatile SrO–ZrO2 Mixed Metal Oxides and

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their Applications. "International Conference on Advanced Materials for Physical, Chemical and Biological Applications" March 3rd & 4th, 2023

PAPERS PRESENTED:

Research Papers presented in international conferences-

1. Synthesis and Characterization of Versatile SrO–ZrO2 Mixed Metal Oxides and their Applications. "International Conference on Advanced Materials for Physical, Chemical and Biological Applications" March 3rd & 4th, 2023

Patents Published:

1. A METHOD FOR MANUFACTURING NANOPARTICLES OF COBALT OXIDE WITH TRAPPED NEON. Appln No: 202221045945 A
2. NOVEL SYNTHESIS OF COPPER OXIDE USING PRODIGIOSIN A PIGMENT EXTRACTED FROM SERRATIA RUBIDAEA BACTERIA AND THEIRO. Appln No: 202321047738

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:12

ACTIVITIES ORGANIZED: 12

FDP/TRAINING COURSES COMPLETED:04

RESEARCH PROJECTS: 03

MEMBERSHIPS/AFFILIATIONS:

1. Member of Board of Studies, Department of Chemistry. K.B.P. College Vashi, Navi Mumbai