



FACULTY PROFILE



NAME : Lt. Sarang R. Bhagwat
QUALIFICATION : M.Sc. Inorganic, SET, PhD (Appearing)
Email ID : srbhagwat@kbpcollegevashi.edu.in
DEPARTMENT : Chemistry
DESIGNATION : Assistant Professor
EXPERIENCE(Yrs.) : 10 Years
SPECIALIZATION : Inorganic Chemistry

PUBLICATIONS:

Books Publications-

1. Advances in Functional and Sustainable Materials

Name of the Chapter: 'SYNTHESIS PARAMETER AND OPERATIONAL MECHANISM OF SPIN COATING METHOD FOR DEPOSITION OF THIN FILMS'

ISBN: 978-93-91768-77-5

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)



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<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 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. Low-temperature synthesis and characterization of AZrTi₂O₇ (A = Mg, Ca, Sr and Ba) as a gas sensing material.
“International Conference on advances in renewable energy” 11-13 Jan 2023
2. 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. NOVEL SYNTHESIS OF COPPER OXIDE USING PRODIGIOSIN A PIGMENT EXTRACTED FROM SERRATIA RUBIDAEA BACTERIA AND THEIR OF
Applⁿ NO: 202321047738
2. RAPID GREEN PROCESS USING OPAQUE LATEX OF JATROPHA CURCAS PLANT FOR THE PREPARATION OF HIGHLY PURE NICKEL OXIDE
Applⁿ NO: 202221006276 A

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:12

ACTIVITIES ORGANIZED: 12

FDP/TRAINING COURSES COMPLETED:04

RESEARCH PROJECTS: 02

MEMBERSHIPS/AFFILIATIONS:

1. Member of Academic Council, K.B.P. College Vashi, Navi Mumbai

ANY OTHER DETAILS:

1. Assistant NCC Officer, 3-Mah NCC BN, Mumbai Group -A