



RAYAT SHIKSHAN SANSTHA'S
KARMAVEER BHAURAO PATIL COLLEGE



FACULTY PROFILE



NAME : VINEET D. P. KALA
QUALIFICATION : M.Sc. MICROBIOLOGY, CSIR-NET(AIR-34), M-SET & MU-PET
Email ID : vineetkala@kbpcollegevashi.edu.in
DEPARTMENT : MICROBIOLOGY
DESIGNATION : Assistant Professor (Management Appointed Faculty)
EXPERIENCE (Yrs.) : 13 years
SPECIALIZATION : MICROBIOLOGY

PUBLICATIONS :

Patents Publications:

- A Method for the Synthesis of PEG-Iodine Coated Silver Quantum Dots using an Extracts of the *Asphaltum punjabianum* Conjugated with Fluconazole, a Sustainable Process and its Anti-Fungal Properties. Indian Patent, Application No. 202421014818, Status: Published.
- A Method for the Synthesis of Silver Nanoparticles using an Extracts of the *Asphaltum punjabianum* and *Phyllanthus emblica*, a Sustainable Process and its



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Anti-Bacterial and Anti-Fungal Properties. Indian Patent, Application No. 202421013541, Status: Published.

- Synthesis of Nickel Oxide, an Ecofriendly Method Using an Extract of the *Asphaltum punjabianum* and its Anti-Bacterial and Anti-fungal Property. Indian Patent, Application No. 202421012169, Status: Published.
- Sustainable Method for the Synthesis of Gold Quantum Dots using an Combined Extracts of *Asphaltum punjabianum* and *Phyllanthus emblica*. Indian Patent, Application No. 202421012994, Status: Published.
- Synthesis of Pure crystallized Copper Oxide, a Sustainable Process Using an Extract of the *Asphaltum punjabianum* and its Anti-Microbial Property. Indian Patent, Application No. 202421013573, Status: Published.
- Sustainable Method for the Synthesis of PEG Coated Gold Quantum Dots conjugated with Co-amoxiclav using an Extract of *Asphaltum punjabianum* Against Multiple Drug Resistant Bacteria. Indian Patent, Application No. 202421014719, Status: Published.

Research Publications in Journals:

- Gopal et. al. (2017), Secretory phospholipase A2 IIA overexpressing mice exhibit cyclic alopecia mediated through aberrant hair shaft differentiation and impaired wound healing response, *Scientific Reports (Nature Publishing Group)* | 7: 11619 | DOI:10.1038/s41598017118309.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Attended 3 Days Outreach Program on “Popularising Science of DNA Barcoding” conducted by MSFDA (Maharashtra State Faculty Development Academy), Government of Maharashtra and Gogate Jogalekar College, Ratnagiri from 7th December 2022 to 9th December 2022.
- Completed course on “Coronavirus Disease 2019” by AACC Learning Lab for Laboratory Medicine on NEJM Knowledge+, Harvard Medical School, 2020.



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- Attended one-day national online seminar on “Research Writing & Enhancing Visibility” by Ramnarain Ruia Autonomous College, 2020.
- Attended a two-day webinar on “Facilitation techniques and tools” conducted by KBP College, Vashi (Autonomous), 8th- 9th May 2020.

ACTIVITIES ORGANIZED:

- Conducted Two days Student’s Training Program on “Research Literacy” by Dr. Manish Bhat, by Department of Microbiology, KBP College, Vashi (Autonomous), 8th and 9th February 2021.
- Conducted Webinar on “Academic Institutes-Copyright & Wealth Creation” by Dr. Gouri Gargate (IIT Kharagpur), by Department of Microbiology, KBP College, Vashi (Autonomous), 6th January 2021.
- Conducted International Webinar on “The Emergence Of The Covid-19, and Where Is It Leading Us” by Dr. Ajmal, , by Department of Microbiology, KBP College, Vashi (Autonomous), 4th February 2021.
- Conducted Students Training Program “Emotional Well-being during challenging times” by Ms. Pallavi Indulkar, by Department of Microbiology, KBP College, Vashi (Autonomous).
- Conducted national webinar on "Microbes for good health and opportunities for microbiologist in food and allied industries- by Dr. Arun Kharat and Ms. Sonia Nandre Patil”, by Department of Microbiology, KBP College, Vashi (Autonomous), 2020.
- Conducted webinar on “Patent Mining and Filing by Microbiologists” by Dr. Gouri Gargate (IIT-KGP)” by Department of Microbiology, KBP College, Vashi (Autonomous), 2020.
- Conducted webinar on “Career opportunities in the healthcare industry through paramedic skill development by Mr. Sameer Joshi, iTransformindia Group” by Department of Microbiology, KBP College, Vashi (Autonomous), 2020.
- Conducted webinar on: “Role of DMLT/MLT student on CoViD19 pandemic” by Department of Microbiology, KBP College, Vashi (Autonomous), 2020.



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- Conducted webinar on “What’s next in career?” by Department of Microbiology, KBP College, Vashi (Autonomous), 2020.
- Organized and participated in National Conference titled “Innovative approaches and emerging issues in Food and Pharmaceutical Microbiology” by Department of Microbiology, Karmaveer Bhaurao Patil’s College, Vashi from 2nd to 3rd March 2020.

FDP/TRAINING COURSES COMPLETED:

- Managing Online Classes and Co-Creating MOOCs [FDP], Ramanujan College (University of Delhi), 2020
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RESEARCH PROJECTS:

- Ongoing - study of extremophiles in bioremediation

MEMBERSHIPS/AFFILIATIONS:

- Alumni Member, Board of Studies [Microbiology] C.K. Thakur A.C.S. College [Autonomous].
- Faculty Member, Board of Studies [Microbiology] Karmaveer Bhaurao Patil College Vashi [Empowered Autonomous].
- Member, Innovation and Entrepreneurship development cell committee, K.B.P. College, Vashi (Autonomous) (2019-2021).
- Member, Student Welfare committee, K.B.P. College, Vashi (Autonomous) (2021- till date).
- Member, Magazine committee, K.B.P. College, Vashi (Autonomous) (2021- till date).
- Member, CRCTS, K.B.P. College, Vashi (Autonomous) (2021-22)