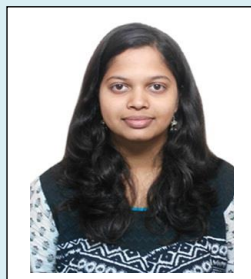


FACULTY PROFILE



NAME : Prof. Nikita Shashikant Diwan
QUALIFICATION : M.Sc, PET.
Email ID : diwannikita@kbpcollegevashi.edu.in

DEPARTMENT : Microbiology
DESIGNATION : Assistant Professor
YEARS OF EXPERIENCE : 1 Years
SPECIALIZATION : Microbiology and

PUBLICATIONS:

1. "Isolation, Identification And Characterization Of Microbial Cultures For Biodecaffeination" Vol.9 Issue-1 January, 2016 Of Bionano Fronteir , Print ISSN-0974-0678 ,Online ISSN -2320-9593

CONFERENCES ATTENDED/ PAPERS PRESENTED::

- Presented poster in National conference-Biotechnology in Diagnostics held at B.N.Bandodkar College of science on 6th and 7th January 2012.
- Participated in "UGC Sponsored National conference on Microbiology Horizon in Biomedical Science " held at Karmaveer Bhaurao Patil College vashi , September 2013

COURSES/TRAINING PROGRAMMES COMPLETED:

- Certificate course in by "Tools In Molecular Biology" at VPMs B.N. Bandodkar college of Science
- Attended and participated in training programme on " Advanced Methods in Molecular Microbiology " held at CFTRI ,Mysore during July 14-25,2014

RESEARCH PROJECT:

- Research Project undertaken for M.sc. dissertation " Isolation, Identification And Characterization Of Microbial Cultures For Bio- Decaffeination."

KBP COLLEGE, VASHI

Summary: Novel mega plasmid bearing caffeine degrader microorganism was isolated and identified as *Cupriavidus metallidurans*. Selection of the efficient organisms, optimization of growth parameters and immobilization of whole cells for bio-decaffeination were successfully carried out. The bacterium was able to tolerate up to 3.5 g/L of caffeine in solid medium and 10 g/L in liquid medium. It was capable of degrading concentration of caffeine as high as (5.4 g/L) as sole source of carbon and nitrogen in the medium. Efficiency of immobilized cell to remove caffeine from coffee extract was determined results were promising as 93% of caffeine was degraded by organism after bio decaffeination

AWARDS /ACHIEVMENTS :

Memento and certificate for securing First rank in college in M.Sc. part 1 and M.Sc.part 2 .I was also awarded by Gaurav Vijay Mhatre award for securing first position throughout the M.Sc. at college level.