

FACULTY PROFILE



Name : **Dr. Prashant V Thakare**

Designation : **Associate Professor**

Department : **Biotechnology**

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Qualifications : M.Sc. (Biochemistry), SET, Ph.D

Areas of Interest/Specialization : **DNA Barcoding, Wild life**

Forensics and Medical Microbiology Experience :

Teaching – **26 Years**

Awards & Honours : Best Teacher Award (2016) by Sant Gadge Baba

Amravati University, Amravati

Peer reviewed papers (5)

1. DESHMUKH V.P., THAKARE P.V., CHOUDHARY U.S., AND GAWANDE P.A. (2007) A simple method for isolation of genomic DNA from fresh and dry leaves of *Terminalia arjuna* (Roxb.) Wight and Argot. *Electron Journal of Biotechnology*. 10(3), 1-5.
2. Ghanwate N A and Thakare P V (2012) Study of Bio film production by Uropathogenic E Coli isolated from Tertiary Health care Centers of Vidharbha region and its correlation with antibiotic susceptibility. *Journal of Applied Microbiology*. 6(2) 875-879.
3. GHANWATE, N. THAKARE P V, BHISE P R and GAWANDE SONALI. (2016) Colorimetric method for rapid detection of Oxacillin resistance in *Staphylococcus aureus* and its comparison with PCR for mec A gene. *Scientific Reports*. 6, 23013
4. GHANWATE N A, TIWARI A and THAKARE P V (2016) Importance of Biofilms in Medical Sciences with special reference to uropathogens: A review. *African Journal of Microbiology*. 10(4), 1371-1379
5. SONI NEELU, THAKARE VIJAY and THAKARE P V (2021) Species level identification of *Lepus nigricollis* from forensic sample using molecular marker and trichology: (First Report) *Research Journal of Forensic Sciences*. 9(1), 1-6.

Book chapters (2)

1. VIMAL CHANDRA PANDEY, DIVYA PATEL, PRASHANT V. THAKARE, L.C. RAM And NANDITA SINGH (2016) Microbial and Enzymatic Activities of

- Fly Ash Amended Soil Eds J.S.Singh and D.P.Singh In Microbes and Environmental Management. Pub Studium Press (India) Pvt.Ltd.India pp142
2. PATEL D, THAKARE P V and JASROTIA S (2018) Multivariate Analysis of Heavy Metals in Topsoil: An impact of Thermal Power Plants of Maharashtra (India). In : Siddiqui N, Tauseef S., Bansal K, (eds) Advances in Health and Environment safety, Springer Transactions in Civil and Environmental Engineering. Springer, Singapore

Patent

1. A kit for rapid detection of methicillin resistant *Staphylococcus aureus*. **Awarded Patent no 366552, dated 12/05/2021**

Recent Projects (4)

1. Dr. Prashant Thakare and Dr. Niraj Ghanwate; Development of Innovative Diagnostic kits to Determine Antibiotic Resistance among multi drug resistance bacterial pathogens. 2018
2. Dr. Niraj Ghanwate and Dr. Prashant Thakare; Development of Novel Urinary Catheters that Prevents Colonization, Biofilm Formation and Encrustation by Bacterial Pathogens. 2019
3. Neelu soni and Dr. Prashant Thakare; Study of Genetic Variation with respect to Geographical Location in Indian Sloth Bears (*Melursus ursinus*) using Single Nucleotide Polymorphic (SNPs) Markers. 2019
4. Neelu soni and Dr. Prashant Thakare; Investigating the effect of landscape features on functional connectivity among Sloth bears (*Melursus ursinus*) populations in the Melghat landscape. 2019