CURRICULUM VITAE

Dr. KARALE MAHESH ANTRAM
At Post: Dhanora (B.K.)
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Pin – 413523.
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Career Objective:

- To pursue a challenging career in the field of Microbiology and participate in the growth and profitability of the organization and to add value through my commitment and hard work.
- To face the challenges of the practical work and have an esteem to raise myself at the top in the profession by my hard work, dedication & determination.

Educational Qualification:

Sr. No.	Qualification	Board/ University	Year of Passing	Percentage
1.	**Ph.D.**	S.R.T.M. University, Nanded. (Microbiology)	Mar-2017	Awarded
2.	**SET**	UGC	May-2012	Qualified
3.	**M.Sc.** (Microbiology)	Govt. Institute of Science, Dr. B.A.M.U., Aurangabad	Mar-2011	67.58%
4.	**B.Sc.**	Dayanand Science College, Latur. S.R.T.M.U. Nanded	Mar-2009	80.91%
5.	**H.S.C.**	Yashwant Jr. College, Ahamedpur. Latur Board	Feb-2004	74.50%
6.	**S.S.C.**	Vasant Vidyalaya Dhanora (B.K.) Latur Board	Mar-2002	72%

Personal Skills:

- Ability to thoroughly absorb and pickup new skills quickly.
- Ability to work in computerized environments.
- Excellent analyzing and decision making ability.
- Knowledge of molecular biology.

Academic Skills:

- Gel and paper Electrophoresis
- Poly Acryl Amide Gel Electrophoresis (PAGE)
- PCR

- Determination of MIC
- Determination of TDP & TDT of microorganism
- Determination of MLT (Microbial Limit Test)
- Spectrophotometer (UV-VIS)
- Centrifuges (Ultra & Cooling)
- Microbial Techniques
- Fermentation Techniques
- Clinical Diagnosis using Diagnostic kits of Common Diseases
- RDT techniques
- Chemical Analysis techniques
- Immunological tests
- Bioinformatics
- Quantitative Analysis of Biomolecules.
- Techniques such as Protein Purification, Isolation
- Molecular biology

Experience:

- Two years experience of teaching to UG and PG students in Dayanand Science College, Latur.
- Six month experience of teaching to UG Students in Dayanand Science College, Latur.
- One year experience as Teaching Associate in Swami Ramanand Teerth Marathwada University, Nanded (M.S.)-431606.
- Three years experience of Research Associate in Swami Ramanand Teerth Marathwada University, Nanded (M.S.)-431606.
- Two year experience of teaching to UG and PG student in Yeshwant Mahavidhyalaya, Nanded.
- Training of (Molecular Biology) 15 days in Paul Hebert DNA Barcoding and Biodiversity center, Dept. of Zoology, Aurangabad.

Extra Activity:

- NSS Volunteer

Computer Skills:

- 6 month basic computer course
- Bioinformatics

Publications:

1) Pushpa Karale, Shashikant Dhawale and **Mahesh Karale** (2021). Phytochemical Profile and Antiobesity Potential of Momordica charantiaLinn. Intech Open Book Chapter.
2) Rahul A. More, Govind B. Sanap, **Mahesh A. Karale**, Yuvraj P. Sarnikar, Rajesh N. Gacche (2020). Antioxidant and Cytotoxicity Profile of the Selected Alcoholic Beverages Widely Consumed in the Maharashtra State of India. *Indian Journal of Public Health Research & Development,* 11(6): 607-612.

3) Pushpa Karale, S. C. Dhawale and **M. A. Karale** (2020). Antiobesity Potential and Complex Phytochemistry of *Momordica charantia* Linn. with Promising Molecular Targets. *Indian Journal of Pharmaceutical Sciences*, 548-561.
4) Thaware Pratibhaa, Karale Pushpa, **Karale Mahesh** and Chavan Pranatid (2020). Phytochemical screening and pharmacological evaluation of *aegle marmelos* fruit. *INDIAN DRUGS* 57 (04): 59-64.
5) Kadam Jambuwant, **Karale Mahesh** and Karale Pushpa (2020). Synthesis of Silve nanoparticals using aqueous extracts of Pergularia daemia and analysis of antimicrobial activity. Indian drugs 57 (08): 25-30.
6) P. A. Karale , **M. A. Karale** , P. R. Chavan and P. Thaware (2019). Inflammation: a potential scenario on novel targets and targeted drug therapy. *IJPSR,*10(12): 5284-5293.
7) Nagnath Nandu Phartale, Tukaram Angadrao Kadam, Hemlata J. Bhosale, **Mahesh A. Karale** and Gyananath Garimella (2019). Exploring the antimicrobial potential of Pardosa brevivulva silk. *The Journal of Basic and Applied Zoology*, 80:31.
8) H.J. Bhosale, S.Z. Uzma, A.T. Patil, S. Indrale, **M.A. Karale** (2018). Optimization and characterization of biosurfactant produced by pyrene degrading thermo-alkaliphilic Bacillus sonorensis 4R. *International Journal of Pharmacy and Biological Sciences.* 8(1): 120-126.
9) Pushpa A. Karale1, **Mahesh A. Karale**, Vishveshwar Dharashive, Shivkumar Ladde and Vidya Yelam (2018). Phytochemical screening and in-vivo anti-inflammatory potential of Sesbania grandiflora. EJBPS, 5(3): 343-347.
10) Pushpa A. Karale, **Mahesh A. Karale**, Mokshada C. Utikar (2018). Advanced Molecular Targeted Therapy in Breast Cancer. *Research Journal of Pharmacology and Pharmacodynamics,* 10(1): 29-37.
11) **Mahesh Karale** and Pushpa Karale (2017). Phytochemistry and Pharmacology of Milkweed family Herbs. LAMBERT Academic Publication. BOOK.
12) Pushpa A. Karale, **Mahesh A. Karale**, Suchita Dhanasure (2017). A tick born viral diseases: kyasanur forest disease and crimean-congo haemorrhagic fever in India. *IJARSE*, 6(11): 239-251.
13) Karale Pushpa and **Karale Mahesh** (2017). An Overview On Plants With Anti-Inflammatory Potential. *Int J Curr Pharm Res,* 9(5): 1-4.

14) Pushpa Anantrao Karale, **Mahesh A Karale** (2017). A Review On Phytochemistry And Pharmacological Properties Of Milkweed Family Herbs (Asclepiadaceae). *Asian J Pharm Clin Res,* 10(11): 27-34.

15) P. A. Karale * and **M. A. Karale** (2016). Preliminary Phytochemical Screening Of Various Extracts And Fractions Of Leaves Of *Calotropis procera* (Ait) R.Br. *IJLSR,* 2(11): 158-161

16) **M. A. Karale**, T. A. Kadam*, H. J. Bhosale and K. P. Maske (2016). Biodegradation of Pyrene Using *Bacillus* sp.C7 Isolated from Coal Deposited Soil. *British Microbiology Research Journal.* 16(3): 1-10.

17) **Mahesh Karale**, Tukaram Kadam*, Hemlata Bhosale, Kanchanprabha Maske (2015). Characterization of Anthracene Degrading bacteria from Drug Industry Effluent Polluted Soil. *Archives of Applied Science Research*. 7 (11):16-22.

18) H. J. Bhosale *, T. A. Kadam, S. G. Fulwad, **M. A. Karale** and O. S. Kanse (2015). Optimization Of Antifungal Compound Production By A Moderately Halophilic *Streptomyces werraensis* HB-11. *IJPSR*. 6(3): 1190-1199.

19) Ashok Sawale*, T.A.Kadam, **M.A. Karale**, and O.A. Kadam (2014). Antimicrobial Activity of Secondary Metabolites from Halophilic *Bacillus pumilus* sp. *Int.J.Curr.Microbiol.App.Sci*. 3(6): 506-512.

Workshop/ Conference Attended:

- National conference on 'Technology Foresight in Life Sciences' held in 20 & 21 feb 2010 organized by dept of microbiology. Maulana Azad Arts, Commerce & Science College Aurangabad.
- National Level Seminar on Trends in rDNA Technology held at sub centre Osmanabad**.**
- National level Conference on Emerging Trends in Biodiversity and Environment held at Govt. Institute of Science, Aurangabad.
- **Five International 11 National and Six state/University conferences and workshop attended.**
- **Three Faculty Development Program attended.**

Ph.D. Topic:

"Characterization of Plasmids from Polycyclic Aromatic Hydrocarbon Utilizing Bacteria and their Significance in Bioremediation"

Personal Details:

- Date of Birth : 25 May 1987
- Nationality : Indian
- Religion : Hindu
- Marital Status : Single
- Languages Known : English, Marathi, Hindi**.**

References:

- **Dr. T. A. Kadam**
  Professor, Dept. of Microbiology,
  School of Life Sciences, S.R.T.M.U. Nanded.
  Email: tkrmkadam@yahoo.co.in (Mob. No.-9423135845)

- **Dr. G. Gyananath**
  Professor, Dept. of Zoology,
  School of Life Sciences, S.R.T.M.U. Nanded.

- **Dr. H. J. Bhosale**
  Asst. Prof. Dept. of Microbiology,
  School of Life Sciences, S.R.T.M.U. Nanded.

I hereby declare that the information given is true to the best of my knowledge.
Thanking you

Date:

Place: Your's faithfully

Dr. Karale M.A.