

CURRICULUM VITAE

Name: Mrs. Mrunal Pardeshi-Mohite

D.O.B: 21/10/1993

Martial Status: Married

E-mail ID: pardeshimrunal935@gmail.com

JOB EXPERIENCE: (From 7th July, 2016 till date).

Currently working as Assistant Professor in B.Voc.Department at P.E. Society's, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16.

Subjects taught:

- Fundamentals of Microbiology and practical,
- Food Microbiology and practical,
- Food Chemistry and Nutrition and practical,
- Applied Statistics,
- Waste Management in Food Industry and practical,
- Food Biochemistry and practical,
- Food Safety and Hygiene and practical,
- Quality Control and Assurance and practical,
- Food Laws and Regulation.

EDUCATIONAL QUALIFICATION:

SEMESTER	UNIVERSITY/ BOARD	YEAR	CLASS
M.Sc Biotechnology	SP Pune University	2015-2016	Distinction
B.Sc. Biotechnology	SP Pune University	2013-2014	First Class
H.S.C	Maharashtra State Board	2010-2011	Second Class
S.S.C	Maharashtra State Board	2008-2009	Distinction

RESEARCH PROJECTS:

1. MSc. Biotechnology part II Project:

Title: Phytochemical, Antioxidant and Antibacterial activity of Crude *Moringa oleifera* extracts and Isolation of saponins from Fresh Pods extracts of *Moringa oleifera* and its *in vitro* studies.

Guide: Dr. Pooja Rana and Dr. Ayesha Khan.

Description: Phytochemical and antioxidant studies were carried out on crude extracts of *Moringa oleifera* leaves (dried) and pods (fresh) extracted in different solvents. Saponins were extracted from fresh pods (methanolic extract) and presence of saponins was confirmed by TLC and Foam Test. Saponins were isolated using Silica Gel Column Chromatography and types of saponins present were determined using LC-MS. The effect of saponin was checked on HepG2 cell Line. It was found that active fraction 1 was found to be more effective than 6.

2. T.Y. Bsc. Biotechnology Project.

Title: Bacterial Quorum sensing

Guide: Mrs. Vaishali Randive

Description: Growth Curve of *E. coli* and *Klebshiella pneumoniae* was taken. Bacteria were allowed to grow till stationary phase and then were centrifuged. Supernatant was mixed with fresh broth and growth curve was analyzed. It was found that bacteria keep themselves in lag phase until 240 min on addition of supernatant indicating some presence of signal.

On SDS PAGE analysis it was found that the signal may be protein in nature. Antibacterial assay of supernatant was performed indicating *E. coli* supernatant inhibiting *K. pneumoniae* growth.

TRAINING:

1. Attended an Online Course regarding Coronavirus 2019, offered by AACC Learning Lab for laboratory medicine on NEJM Knowledge+.
2. Attended Workshop on E-Content development organized under Faculty development Program, (26th-27th April, 2019)
3. Attended Training Course on career advancement in collaboration with Pacemakerz, Pune. (13-15th Feb 2014)

EXTRA CIRICULAR ACTIVITY:

1. Appointed as Paper Setter in MIT ADT university.
2. Appointed as B.Voc Scrutiny Committee member for Savitribai Phule Pune University, by Government of Maharashtra.
3. Participated National Conference CSIA-2018 organized by Modern College, Ganeshkhind, Pune-16 and won First prize in poster competition: Isolation of Active Fraction from fresh pods extract of *Moringa oleifera* and its anti-proliferative activity.
4. Practicipated in Bharitiya Vigyan Sammelan (2017) and presented poster: Isolation of active fractions from fresh pod extract of *Moringa oleifera*.
5. Participated in Anubhuti Science Exhibition conducted by Modern College, Ganeshkhind, and won
 - a. Second prize for poster presentation on HSP 90 (year 2015-2016)
 - b. Second prize for poster presentation on Immunotherapy in Cancer: BCG vaccine (year 2014-2015)
 - c. Third prize for project presentation Apoptosis in Cancer (year 2013-2014)
6. Participated in VIVIDHA, conducted by Modern College, Ganeshkhind, and won prize for Food stall. (Year 2014-2015)
7. Volunteered a two-Days workshop on “Microscope: Handling & Trouble- shooting”
8. Participated in Biosynapse Inter-College Competition organized by RJSPM College Bhosari, Pune and won
 - a. First prize in poster competition: Apoptosis dance of death. (year 2013-2014)
 - b. First prize in Quiz. (year 2013-2014)
 - c. Prize Paper presentation Topic- Apoptosis & Carcinogenesis. (year 2013-2014)
9. Participated in poster competition conducted by Dept. of Zoology, Modern College, Ganeshkhind (year 2011-2012)

WEBINARS / SEMINARS ATTENDED:

1. Moodle Hands-on Training Webinar Series fro promoting use of technology (April-May 2020)
2. Food Forensics: Investigating Food Crimes and Frauds" (May, 2020)
3. National webinar on “Covid Vaccine: Truth and Untruth unfold “organized by Department of Microbiology, Tuljaram Chaturchand College, Baramati. (January, 2021)

4. "Learning Management System(LMS): An Introduction to Google Classroom"
5. Currently enrolled for a certificate program "Understanding and Exploring Epidemiology" organized by PKC and SPPU, Pune. (20th July 2021, to 27th August 2021)

TECHNICAL SKILLS:

1. Chromatographic Techniques
 - a) Thin Layer Chromatography
 - b) Paper Chromatography
 - c) Column Chromatography
2. Isolation and Handling of DNA
3. Techniques in Biochemistry
 - a) Qualitative and Quantitative analysis of Protein
 - b) Qualitative and Quantitative analysis of Carbohydrate
 - c) Preparation of solutions
 - d) Titrimetric analysis
4. Microbiological Techniques:
 - a) Preparation of Media
 - b) Isolation Methods of microorganisms from samples.
5. Handling of Spectrophotometer
6. Handling of Colorimeter
7. Handling of pH meter and its calibrations.

COMPUTER SKILLS:

Well versed in MS -OFFICE (MS Word, MS Excel, MS PowerPoint)

DECLARATION

I hereby declare the above details are true and correct to the best of my knowledge.

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Date : 08 – 07 – 2021,
Thursday

Yours Sincerely,

(Mrs. Mrunal Pardeshi-Mohite)

Place : Pune