

# CURRICULUM VITAE

**Name:- Miss.Kirdat Pranoti Nagesh**

## **Personal profile:-**

Address:- Plot no.2,near K.S.D.Shanbhag School,Doulatnagar,Satara,Maharashtra-415002.

Institute:- Shivaji University,Kolhapur,Maharashtra-416004.

Languages known:- Hindi,English,Marathi

Birth date:- 26/04/1994

Marital status:- Married

Nationality:- Indian

Email:- [panukirdat@gmail.com](mailto:panukirdat@gmail.com)

Contact number:- 8788701658, 8605173487

## **Research objectives:-**

Protein profiling, microbial bioactive extraction and analysis, microbial enzyme study, clinical biochemistry, plant physiology, nanomaterial synthesis and characterization.

## **Academic qualification:-**

Sr.No.	Class	Institute	Board/University	Year of passing	Percentage
1.	Ph.D.Biochemistry	Shivaji University,Kolhapur	Shivaji University,Kolhapur	Final viva awaited	--
2.	M.Sc.Biochemistry	Shivaji University,Kolhapur	Shivaji University,Kolhapur	2016	74.5%
3.	B.Sc.Biotechnology	Yashvantrao Chavan Institute of Science,Satara	Shivaji University,Kolhapur	2014	79.44%
4.	HSC	Maharaja Sayajirao Mahavidyalaya,Satara	Pune board	2011	72.33%
5.	SSC	Maharaja Sayajirao Vidyalaya,Satara	Pune board	2009	88.46%

## **Title of Ph.D.thesis:-**

Studies on biochemical analysis of fish waste and its applications.

Research supervisor:- Dr.(Mrs.) Padma B.Dandge

Associate professor,Shivaji University,Kolhapur.

### **Teaching experience:-**

Worked as assistant professor of life science in the department of Nanoscience and Technology at Yashvantrao Chavan Institute of Science, Satara.

Duration of work:- 16/06/2016 to 30/06/2018

### **Research experience:-**

Projects I worked on:

- Isolation and characterization of cellulolytic bacteria from gut of *Labeo rohita* (rohu).
- Antioxidant activity of *Mucuna pruriens* and effect of different extraction conditions.
- Green synthesis of nickel oxide nanoparticles from tulsi extract and its antibacterial activity.
- Amelioration of plant growth and productivity using bacterial inoculant and poultry waste.
- Development of food product (instant sports drink) from fish waste enriched with collagen: Use of an underutilized food biomass and its incredible applications in food industries.

### **Awards and honors:-**

- First rank in B.Sc.Biotechnology at Yashvantrao Chavan Institute of Science, Satara.
- Ninth rank in B.Sc.Biotechnology at Shivaji University, Kolhapur.
- God second prize in paper presentation organized by Yashvantrao Chavan Institute of Science, Satara.

### **Grants and fellowships:-**

- Got merit scholarship of Shivaji University during first year of master programme.
- Rajiv Gandhi Science and Technology Centre (RGSTC), Mumbai research project fellowship from 07/01/2020 to 17/06/2021.

### **Publications:-**

- Kirdat P.N., Dandge P.B., Hagwane R.M., Nikam A.S., Mahadik S.P., Jirange S.T. (Dec 2020). Synthesis and characterization of ginger (*Zingiber officinale*) extract mediated iron oxide nanoparticles and its antibacterial activity. *Materials Today: Proceedings*, 43(1), pp.2826-2831. DOI no.10.1016/j.matpr.2020.11.422. IF= 1.24, citations: 2.
- Dandge P.B., Garadkar K.M., Dandge P.B., Kirdat P.N., Mane S.S. (Dec 2021). Synthesis of zerovalent silver nanoparticles by chemical reduction method and its application. *International journal of Nanomaterials and Nanostructures*, vol.7 (2), pp.8-17. ISSN no.2455-5584.
- Kirdat P.N., Dandge P.B. (Dec 2021). Structural properties of gelatin extracted from marine fish Gethar (*Sarda orientalis*). *International Journal of Innovative*

**Conferences:-**

- Pranoti N. Kirdat, Padma B. Dandge, Rutuja V. Shinde, Kalyani V. Shinde, Pratiksha S. Nale. Chemical synthesis of calcium oxide nanoparticles from egg shell and its characterization organized by Department of Chemistry, Shivaji university Kolhapur, 6-7<sup>th</sup> March 2020.
- Padma B. Dandge, Pranoti N. Kirdat, Prerana r. Dhumal, Utkarsha K. Jadhav. Synthesis and characterization of chemically synthesized copper oxide nanoparticles. National conference on Emerging trends in chemical and material sciences (ETCMS-2020) organized by Department of Chemistry, Shivaji university Kolhapur, 6-7<sup>th</sup> March 2020.
- Pranoti N. Kirdat, Padma B. Dandge, Rohan M. Hagwane, Aishawarya S. Nikam, Sarvesh P. Mahadik, Sharan T. Jirange. Synthesis and characterization of iron oxide nanoparticles by using ginger extract. International conference on multifunctional and hybrid materials for energy and environment (MHMEE-2020) organized by Y.C.I.S. Satara, 29-31 January 2020.
- Pranoti N. Kirdat, Padma B. Dandge, Prerana P. Shevate, Sanchita S. Dekhane, Kshitija D. Chavan, Bhakati D. Jadhav. Green synthesis of zinc oxide nanoparticles using Lawsonia inermis leaves extract and its characterization. International conference on multifunctional and hybrid materials for energy and environment (MHMEE-2020) organized by Y.C.I.S. Satara, 29-31 January 2020.
- Pranoti N. Kirdat, Padma B. Dandge, Priyanka S. Pawar, Amruta C. Tate. Antibacterial activity of chemically synthesized cadmium sulphide nanoparticles and its characterization. National conference on Frontiers in biopesticides and biofertilizers organized by P.E.S.R.S.N collage of Arts and science Farmagudi. Goa, 6-7<sup>th</sup> December 2019.
- Pranoti N. Kirdat, Padma B. Dandge, Sneha N. Lawand, Sharvari S. Takale. Green Synthesis of nickel oxide nanoparticles using Ocimum Tenuiflorum leaf Extract and its antibacterial activity. International Conference on Physics of Materials & Materials Based Device Fabrication (ICPM-MDF-2019) organized by Department of Physics, Shivaji University, Kolhapur January 10-11, 2019, Kolhapur.
- Pranoti N. Kirdat, Padma B. Dandge. Extraction of acid soluble collagen from marine fish waste. International E-conference on current approaches in life sciences for sustainable development (ICCALSSD-2021) organized by Y.C.I.S. Satara, 19-20 March 2021.
- Pranoti N. Kirdat, Sandip S. Kale, Padma B. Dandge. Structural and Functional properties of gelatin extracted from fish waste. International E-Conference on Sustainable Development in Chemistry & Scientific Applications organized by Sadguru Gadage Maharaj College, Karad, 16-17 December 2021.

**Additional activities:-**

- Able to handle equipment's:- UV-visible spectrophotometer, X-ray diffraction photometer, Fourier transform infrared spectroscopy, Partical size analyser with zeta potential, GCMS, GCMS-MS, DSC-TGA analyser, Spectrofluorometer, Flowcytometer

- Able to carry out molecular biological techniques:- DNA isolation,RNA isolation,protein and enzyme extraction,horizontal and vertical gel electrophoresis,polymerase chain reaction.
- Able to carry out experimental techniques:-Colorimetric reactions,photocatalysis,centrifugation,dialysis,column chromatography,thin layer and paper chromatography,enzyme purification and activity analysis.
- Able to carry out microbiological experiments:- Isolation techniques,biochemical analysis,identification studies.
- Able to carry out nanomaterial experiments:- Synthesis of nanoparticles and thin films, characterization and applicatory studies.
- Computer skills:- MS-word,MS-excel,MS-powerpoint and able to carry out basic bioinformatics techniques.

**Extracurricular:-**

- Worked as volunteer for the organization of Rayat Vidnyan Parishad.
- Worked as volunteer for the organization of Y.C.Science cum Fair.
- Worked as organizing committee member of Bioresonance and Nanoworld programme.
- Worked as organizing committee member of international and national conference.
- Worked as organizing committee member of department and university level programmes.

**Declaration:-**

I hereby declare that,the above written particulars are correct to the best of my knowledge and belief.

Date:-

Place:-

Yours faithfully,

Miss.Kirdat Pranoti Nagesh

