

MRUGANKA DESHPANDE

C/O Venkatesh Deshpande
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SUMMARY

- ❖ I am a BE Biotechnology graduate from KLE'S CET, Belgaum, Karnataka.
- ❖ Completed PG Diploma in Biotechniques in Institute of Bioinformatics and applied Biotechnology (IBAB), Bangalore.
- ❖ Completed M. Tech in Biotechnology from Acharya Institute of Technology, Bangalore.
- ❖ Worked as Research Assistant in KLE hospital and MRC, Belgaum.
- ❖ Worked as Trainee QA Chemist in Bayir extracts, Bangalore.
- ❖ Worked as JRF at IISER, Trivandrum for 2 years in ecology and evolution department under Dr. Ullasa Kodandaramiah.
- ❖ Worked as an intern at Sandoundry
- ❖ Worked as Trainee Scientist at Chromous Biotech pvt. Ltd for a year. During the COVID pandemic, our company produced RNA Isolation kits which were approved by ICMR.
- ❖ My wish is to work in an environment which will promote my thinking ability and would use my skills to complete any project assigned to me efficiently and with full dedication. My strengths include working independently and also giving my contribution while working as a team and my communication skills have helped me to do so.

Educational Qualification	Institution	University/Board	Month & Year of Passing	% Obtained
M. Tech Biotechnology	Acharya Institute of Technology, Bangalore	Visveswaraiiah Technological University	December 2012	88.63% Aggregate
PG Diploma (Biotechnique)	Institute of Bioinformatics and Applied Biotechnology, Bangalore	Dept. of IT- BT, Govt. of Karnataka	Januray 2010	3.88/5.00 (CGPA) Grade A
BE. Biotechnology	KLE College Of Engineering And Technology, Belgaum	Visveswaraiiah Technological University	June 2008	72% aggregate
Pre-University college (XII th std)	G.S.S. College, Belgaum	Department of Pre-university Education	April 2004	67.5%
S.S.L.C (X th std)	M. V. Herwadkar English Medium. School	Karnataka Education Board	March 2002	77.76%

TECHNICAL SKILLS

- ❖ Literature search using Pubmed, Highwire press and Google Scholar.
- ❖ Aware of the use of basic bioinformatics tools and databases like NCBI, BLAST and others.
- ❖ Molecular and cell Biology technique, Cell culture technique, Microbiology experiments, Protein purification techniques.
- ❖ Experimental Design and analyzing and interpreting results of data.
- ❖ Patent search using WIPO and USPTO. Also have basic knowledge about drafting the patents.

COMPUTER SKILLS

- ❖ Microsoft office, Open Office, basics of C++, Basics of Biojava and Bioperl.

PROJECT:-

Course	Project title	Remarks
BE (Final year)	Structure based drug designing	It was drug designing procedure using protein ligand interaction with the help of software like argus lab and marvin sketch.
PG Diploma	Cloning of Lysozyme cDNA from chicken blood into <i>E coli DH 5α cells</i>	rNA was isolated from chicken blood and by using RTPCR, cDNA was prepared and expressed in <i>E coli DH 5α cells</i>
PG Diploma (Internship)	Expression of Glucokinase Gene	rNA was isolated from Human blood and by using RTPCR, cDNA was prepared and expressed in <i>E coli DH 5α cells</i>
M. Tech	Chemical profile and antimicrobial activity of some medicinal plants against pathogens causing bovine mastitis	Plant extracts tested against organism of bovine mastitis.
JRF at IISER	Unraveling higher-level phylogenetic relationships of skipper butterflies, time of divergence and evolution of host plant associations	DNA extraction of skipper butterflies and then sequencing the DNA and drawing a phylogenetic analysis from the data obtained.

ACHIEVEMENTS

➤ **Academic achievements**

- ❖ Won 2nd place in Bio-Modelling competition for the model 'BIODIESEL FROM SOYABEAN OIL' in National level Symposium ' PARICHAY- 06' at KLESCET, Belgaum
- ❖ Attended a workshop conducted by 'IOCB, BANGALORE' on 'CLINICAL RESEARCH AND DATABASE MANAGEMENT'.
- ❖ Participated in National level symposium 'SYNAPSE-07' at KLESCET, Belgaum in 2007.
- ❖ Participated in National level conference 'Jynarajana-2012' at oxford college of science, Bangalore in 2012
- ❖ Participated in National level symposium 'Biocadence' organized by KLESCET, Belgaum in 2012
- ❖ ***Gate Score: 346 (Valid from 15th March 2013 to 14th March 2014)***
469 (Valid from 15th March 2014 to 14th March 2015)

➤ **Papers published**

- ❖ Chemical profiling and antibacterial activity of Punica granatum L. against pathogens causing Bovine Mastitis; Gopinath. S. M, Suneetha. T. B, Mruganka V. D . S; J. Chem. Pharm. Res., 2011, 3(5):514-518;
- ❖ Preliminary Analysis of Two Medicinal Plants against causative organism of Bovine Mastitis; Gopinath S.M, Suneetha T.B1, Mruganka1, V.D.; International Journal of Phytomedicine 3 (2011) 333-337
- ❖ Evaluation of antibacterial activity of Tabernaemontana divarcata L. leaves against causative organisms of bovine mastitis; Gopinath S.M, Suneetha T.B1, Mruganka1, V.D.; Int. J. Res. Phytochem. Pharmacol., 1(4) 2011, 211-213
- ❖ Chemical prophylaxis and antibacterial activity of methanolic and aqueous extracts of some medicinal plants against bovine mastitis;Gopinath, S.M., Suneetha,T. B., Mruganka, V.D; I.J.A.B.R., Vol. 1(1) 2011:93-95
- ❖ Chemical prophylaxis and antibiogram of Tabernaemontana divarcata L leaves against causative organisms of bovine mastitis isolated from clinical and subclinical samples; Gopinath.

➤ **Other achievements**

- ❖ Won second place in University youth festival for ONE- ACT play competition.
- ❖ Active members of Natyankur Theatre, Belgaum.
- ❖ I participated in 100 AIDS awareness shows by Natyankur theatres, Belgaum.
- ❖ Won first place for Drama competition at National level.
- ❖ Participated in many other literary events.
- ❖ Was selected as cultural secretary of BEATS, KLESCET, Belgaum in 2007-08 and organized many events

PERSONAL DETAILS

Name: Mruganka Deshpande

Father's Name: Venkatesh Deshpande

Gender: Female.

Hobbies: Acting, Dancing, Cooking

Date of Birth: 15/07/1986

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