

Barshi Shikshan Prasarak Mandal's

## Shriman Bhausahab Zadbuke Mahavidyalaya, Barshi

Zadbuke Marg, Latur Road, Barshi, Dist - Solapur, Maharashtra, India - 413401

### Department of Microbiology

#### Profile

##### About the Department

The department of Microbiology was started in 1981. The first faculty of the department was Dr. S. W. Kulkarni. There had been 3 Full time faculty. We as a department run BSc. Microbiology as a regular course. Apart from the course we have Active MoUs to organize different kinds of activities programmes and events. As well we have few certificate courses. The faculty members are activity involved in research, extension and community services.

##### Courses :

	Courses	Duration	Required Qualification
<b>Degree</b>	BSc. Microbiology	3 years	HSC
<b>Certificate (Add on)</b>	Fermentation Technology	6 months	BSc II
<b>Certificate Course</b>	Biofertilizer Production Technology	1month	HSC
	Diagnostic Techniques	1month	HSC
	Human Nutrition and Food Microbiology	1month	HSC
	Infectious Diseases	1month	HSC

##### 2) Faculty and Staff :

Sr. No.	Name	Designation	Qualification
1	Dr. Maj A. P. Nandimath	Asst. Professor	MSc., M.Phil., Ph.D
2	Dr. N.R. Doiphode	Asst. Professor	MSc., Ph.D, CSIR-NET

##### 3) MoU's :

Sr. No.	MoU with	Purpose	Duration
1	Department of Microbiology, K.N. Bhise College of Arts and Science, Kurduwadi	Faculty exchange	4 years
2	Marathi Vidnyan Parishad Vibhag Barshi	Increase and spread Scientific aptitude in regional Language	4 years

##### 4) Course Outcomes:

Sr. No.	Course	Outcomes
1	BSc Microbiology	1) Knowledge and Understanding
		2) Skills and other attributes
		3) Deep discipline knowledge
		4) Critical thinking and awareness
		5) Career and Leadership readiness
		6) Intercultural and ethical Competency
		7) Self awareness and emotional intelligence

#### 5) Syllabus :

Sr No.	Class	Syllabus
1	BSc I	<a href="http://www.sus.ac.in/uploads/bos/Syllabus%202022%2023/Science/UG/4%20BSc%20I%20Microbiology.pdf">http://www.sus.ac.in/uploads/bos/Syllabus%202022%2023/Science/UG/4%20BSc%20I%20Microbiology.pdf</a>
2	BSc II	<a href="http://www.sus.ac.in/uploads/bos/Syllabus%202020/BSc%20II%20Microbiology%20Syllabus%2008072020.pdf">http://www.sus.ac.in/uploads/bos/Syllabus%202020/BSc%20II%20Microbiology%20Syllabus%2008072020.pdf</a>
3	BSc III	<a href="https://su.digitaluniversity.ac/WebFiles/6%20BSc%20III%20Microbiology%20.pdf">https://su.digitaluniversity.ac/WebFiles/6%20BSc%20III%20Microbiology%20.pdf</a>

#### 6) Research Projects :

Sr. No.	Faculty	Project title	Funding Agency

#### 7) Fellowships/ Awards

Sr. No.	Faculty Name	Fellowships for	Duration/Date
1	Dr.Maj.Arusha P. Nandimath	Superwoman award	Jan 2021
2.	Dr.Maj.Arusha P. Nandimath	Narishri award	March 2021
3	Dr.Maj.Arusha P. Nandimath	DG Commendation (NCC)	Jan 2021

## 8) Publications

Sr. No.	Name	Book / Research Journal	Chapter Article / Title of the Paper
1	Dr. S W Kulkarni	AJANTA	Effect of Inhibitory Substances on Actinomycetes Isolated From Western Ghat Region of Lanj a Tahsil, Ratnagiri District. Maharashtra
2.	Dr. S. W.Kulkarni	An International Multidisciplinary Quarterly Research Journal, Page No. 8-16	Ghat Region of Lanj a Tahsil, Ratnagiri District. Maharashtra
3.	Dr. S. W.Kulkarni	Journal of advanced Scientific Research, Page No.136-142	IN Vitro Effectiveness Of Fungal Drugs On Fungal Isikates Causing Mucormy Cosis In Postcovid Patients
4	Dr.S.W.Kulkarni	World Journal of Pharmaceutical Research, Vol.-7, Issue-05, Page No.- 1186-1192	Antimicroblal Activity of actionmycetes Isolated from Rhizosphere Soil of Indian Medcinal Plants Against Human Skin Pathogens
5	Dr.Arusha P. Nandimath	Vision Research Review, Page No.17-22	Screeing Of Proteus Species From Urine And It's Antibigram
6	Dr. Arusha P. Nandimath et.al	African Journal Of Microbiology Research	Optimization of cellulose for Bacillus sp. And Pseudomonas sp.soil isolates
7	Dr. Arusha P. Nandimath et.al	Iranian Journal of Microbiology	Consortium inoculum of five thermotolerant phosphate solubilizing actinomycetes for multipurpose biofertilizer preparation
8	Dr. Arusha P. Nandimath et.al	Universal Research Analysis	Effect of sample size on communication and adaptation of EM technology
9	Dr. Arusha P. Nandimath et.al	Vision Research Review	Development of standardize education package about functional foods and health
10	Dr. Arusha P. Nandimath	Hi-Tech Research Analysis, Page No.32-40	Effect Of Different Levels Of Sweet Potato Paste On Acceptability Of Kheer
11	Dr. Arusha P. Nandimath	Interlink Research Analysis, Page No.4-	Signalling Chemicals And

		8	Insect Activities
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### 9) Meritorious Students

Sr. No.	Name	Course	Year	Percentage
1	Shinde Pooja Ishwar	BSc-III	2017-18	82.0
2	More Shaila Popat	BSc-III	2018-19	78.0
3	Raut Sayali Sanjay	BSc-III	2019-20	82.5
4	Kandle Kulbhushan Nanasaheb	BSc-III	2020-21	80.28
5	Bhade Aadesh Rajendra	BSc-III	2021-22	88.36

### 10) Prestigious Alumni

Sr. No.	Name	Present Designation
1	Mr.Mangesh Padgaonkar	Sr. Gen.Manager Lupin
2	Mr.Sanjay Dharurkar	Secretary to higher education
3	Prof.Arun Kharat	Professor,School of Life Science JNU
4	Mr.Pramod Sherkhane	TIFR
5	Mr. Anand Kharatmal	Supritendent Central GST and Customs
6	Mr. Santosh Deshpande	Manager, Emcure Pharmaceutical
7	Dr.Manoj Gote	Asst. Gen.Manager, Jindal SpecialityChemicals Limited
8	Mrs.Pavni Pillay	Branch Manager, Bank of Maharashtra

### 12) Parenting Policy

The department allocates the students among the faculty members equally. Every faculty member from every entry of the students takes care of the ward for Personal, Academic, Social, Psychological growth and development. It is a well-documented process as a part of IQAC's quality initiative.

### 13) Contact Details

Sr. No.	Faculty	Contact No	E-mail Id	Twitter/ Face book
1	Dr. Maj. Arusha P. Nandimath	8668391551	arusha1969july@gmail.com	Facebook/arusha.nandimath Twitter@ArushaNandimath
2	Dr.N.R. Doiphode	7588048879	namitaalagikar@gmail.com	