

❖ Dr. Mrudula M. Bendigeri

❖ bendigerimrudula@yahoo.in

❖ 9881372953

Resume

[As on 17/12/2023]

I] Personal details

1. Name : Dr. Mrudula Madhusudan Bendigeri
2. Date of Birth : 1st December 1975.
3. Nationality : Indian.
4. Caste : Hindu Brahmin.
5. Category : Open.
6. Marital Status : Married.
7. Blood Group : B Rh +ve.
8. Languages Known : English, Hindi, Sanskrit & Marathi.
9. Mother Tongue : Marathi.
10. Address : Flat no.202, Anandi Residency, Salokhe
Nagar, Kolhapur.
11. E-Mail : bendigerimrudula@yahoo.in
12. Contact No. : 9881372953.

II] Educational [Academic] Qualifications

Sr. No.	Examination passed	Year of passing	Name of institution	Board/ University	Marks obtained	Rank if any/Class obtained/Status
1	S.S.C	March 1991	Tavanappa Patne High school, Kolhapur.	S. S. C. Board, Pune.	91.28%	Stood 17 th in merit in Pune Division and 2 nd in Kolhapur District.
2	H.S.C.	March 1993	New College, Kolhapur.	H.S. C. Board, Kop.	86.50%	First Class with Distinction.
3	B.Sc.	April 1996	Rajaram College, Kop.	SUK	79.56%	First Class with Distinction.
4	M.Sc.	April 1998	YCCS, Karad.	SUK	72.08%	First Class with Distinction.
5	GATE	March 2013	Indian Institute of Technology.	--	--	All India Rank 166.
6	SET	June 2014	----	Pune University.	65.71%	-----
7	ASRB NET	April 2018	----	ASRB	53.78%	-----
8	Ph. D.	November 2023	-----	Shivaji University, Kolhapur.	----	-----

III] Additional qualifications/Other qualifications

Sr. No.	Name of exam/ Course	Conducted by	Year	Rank if any
1	Middle School Scholarship Exam.	Government Examination Board, Pune.	1988	Stood 6 th in merit.
2	'Sanskrit Junior Exam'	Tilak Maharashtra Vidyapeeth, Pune.	1989	Passed with Distinction.
3	'English Junior Exam'	Tilak Maharashtra Vidyapeeth, Pune.	1989	Passed with Distinction.
4	General Knowledge test	Yashwantrao Chavan College of Science, Karad.	1997	Stood 1 th in merit.
5	Diploma in Computer Software	Lions Club of Kolhapur.	2001	Passed with Distinction.

IV] Swayam Courses - 2

Sr. No.	Name of the Course	Conducted by	Date of completion	Score
1	NIECer 103: Scientific Writing in Health Research	ICMR-National Institute of Epidemiology	August 2022	82%.
2	NPTEL- AICTE : One Health	Ministry of Education, Govt. of India	March 2023	73%

V] Research paper publications- 12 [10 published and 2 accepted]

- 1) Attar Y. C, Randive S, Patil S, Bendigeri M. M., Study of lipase production by *Acinetobacter* Species YMP, *Biomedical & pharmacology Journal*, volume 5(2), November 2012, 391-393, <http://biomedpharmajournal.org/?p=2568>
- 2) **Mrudula M. Bendigeri**, Dr. Yasmin C. Attar, Reconfirmation of pathogenicity of pomegranate bacterial blight pathogen by applying Koch's postulates *Aksharwangmay*, special issue 1, January 2021, ISSN: 2229-4929

- 3) R J Thanekar, S D Mali, **M M Bendigeri**, Y C Attar. Antioxidant and Anti-inflammatory xylooligosaccharides produced from lignocellulosic materials. *Bulletin of Environment, Pharmacology and Life Sciences*, Vol10[4] March 2021 : 129-134
- 4) **Mrudula M. Bendigeri**, Dr. Yasmin C. Attar, First report of *Xanthomonas vasicola* causing bacterial blight on pomegranate, *Bioinfolet*, vol 18(4), 544-545, December 2021.
- 5) **M. M. Bendigeri**, Y.C. Attar, S.G. Chonde and G.R. Pathade: Distinctive Colony Morphology- A Tool for Differentiation of *Xanthomonas axonopodis* PV *Punicae* from Other Members Of Genus *Xanthomonas*, *Bulletin of Environment, Pharmacology and Life Sciences*, Special Issue [1]: 2023:160-162
- 6) **M. M. Bendigeri**, G.R. Pathade, S.G. Chonde, Y.C. Attar, Screening of Actinomycetes Effective against Pathogen Causing Bacterial Blight of Pomegranate, *Ecology, Environment and Conservation*, 29 (May Suppl. Issue): 2023; S188-S190, DOI No.: <http://doi.org/10.53550/EEC.2023.v29i03s.036>
- 7) **M.M. Bendigeri**, M. D. Jadhav, R. B. Mulik, S. A. Masurkar and G. R. Pathade, Isolation and characterization of polystyrene degrading bacteria isolated from mealworm *Tenebrio molitor* gut, *Bulletin of Environment Pharmacology and Life Sciences*, Special Issue [2]: 2023: 26-32
- 8) **Mrudula M. Bendigeri**, Girish R. Pathade, Sonal G. Chonde, Yasmin C. Attar, Study of Current Status of Occurrence and Distribution of bacterial blight of pomegranate caused by *Xanthomonas axonopodis* PV *punicae* in

Southwestern Region of Maharashtra State. Bulletin of Environment

Pharmacology and Life Sciences, Special Issue [2]: 2023: 144-146

9) **M. M. Bendigeri**, S. S. Tamboli and G.R. Pathade. Phytochemical Analysis and Antimicrobial Activity of *Jatropha curcas*. Bulletin of Environment, Pharmacology and Life Sciences, Special Issue [2]: 2023: 147-149

10) Chonde Sonal G., **Bendigeri Mrudula M.** & Pathade Girish R.: Study Of Antibacterial Activity of *Vetiveria zizanioides* [Wala] And Its Application in Water Purification. Bulletin of Environment, Pharmacology and Life Sciences, Special Issue [2]: 2023: 51-56

11) **M. M. Bendigeri**, Y.C. Attar, G.R. Pathade, Precise and correct selection of sample – a crucial step in the study of Bacterial Blight Disease (BBD) of pomegranate, *Ecology, Environment and Conservation*, special issue [1]: 2023

12) **M. M. Bendigeri**, Y.C. Attar, G.R. Pathade, Meticulous isolation and purification of causative agent - A decisive step in the study of Bacterial Blight Disease (BBD) of pomegranate *Ecology, Environment and Conservation*, special issue [1]: 2023

VII Book Chapter – 1

Mrudula M. Bendigeri, Girish R. Pathade, and Yasmin C. Attar, In Vitro Leaf Injection Method for Detecting the Pathogenicity of Pomegranate Bacterial Blight Pathogen, *Techno- societal 2022*, Springer Nature, 689-693

DOI: https://doi.org/10.1007/978-3-031-34648-4_69

VII] Project Proposal – 1 [submitted]

A project proposal entitled **Biodegradation of coconut husk [coir waste] for formulation of suitable fermentation medium** is submitted for seed funding research grant of KVVDU. Further acceptance is awaited.

VIII] Copyright-1

Sr. No.	Title	Registration number	Date
1	Creation of a new term 'Inhibitory ratio' and development of mathematical model for its calculation in the antimicrobial studies by giant colony technique.	L-128907/2023	10 th July 2023.

IX] Awards 3 [1 nomination and 2 received]

Sr. No.	Details	Given by	Date
1	Nominated for <u>Dr. APJ Abdul Kalam Life Time Achievement National Award</u> .	Krist Foundation, Bangalore.	August 2018.
2	Second Prize in Kavya Vachan Competition on the theme <u>Tichya Kavita</u> .	Women Empowerment Cell, KINS, KVVDU, Karad.	6 th March, 2023.
3	Best oral presentation award for presentation of research paper entitled <u>Study of Current Status of Occurrence and Distribution of bacterial blight of pomegranate caused by <i>Xanthomonas axonopodis</i> PV <i>punicae</i> in Southwestern Region of Maharashtra State</u> in the International Conference on <u>Innovations in Biotechnology Research for Sustainable Development: Challenges and Practices</u> .	Sanjivani Arts, Commerce and Science College, Kopargaon, Ahmednagar, Maharashtra.	28 th and 29 th March, 2023.

XI] Resource person - 3

Sr. No.	Details	Organized by	Date
1	Worked as a Resource Person for workshop on <u>Hands-on Training on Techniques of Industrial Microbiology.</u>	Yashwantrao Chavan Warana Mahavidyalaya, Warananagar.	10 th to 20 th May, 2022.
2	Worked as Resource Person in the Two days workshop on <u>A practical and simplified approach to isolate genomic DNA.</u>	Yashwantrao Chavan Warana Mahavidyalaya, Warananagar.	8 th to 9 th February, 2023.
3	Worked as Resource Person in the One Day Workshop on <u>Preparation for NET/SET exams.</u>	Krishna Institute of Allied Sciences, KVVDU, Karad.	4 th May, 2023.

XI] Faculty Development Programme - 2

Sr. No.	Details of programme	Organised by	Duration
1	Five Days [40-h] FDP on <u>Operation and Maintenance of Opto Analytical Laboratory Equipments.</u>	IQAC, KIMSDU, Karad, KIAS, KIMSDU, Karad in collaboration with WRIC, Mumbai.	19 th to 23 rd December, 2022.
2	NPTEL AICTE Faculty Development Programme <u>One Health.</u>	Ministry of Education, Govt. of India.	January to March 2023.

XII] Orientation programme - 1

Sr. No.	Details of programme	Organised by	Date /Duration
1	Participated in one day <u>E-Content Orientation Workshop.</u>	IQAC, KVVDU, Karad and EMRC, SPPU, Pune	2 nd February, 2023.

XIII] Training programmes - 3

Sr. No.	Details of participation	Organised by	Date of participation
1	Two days Training Programme on <u>Hand on Experiment</u>	BECon IIT Delhi in association with Department of Microbiology, Rajaram College, Kolhapur	12 th & 13 th October, 2018.
2	Participated in the <u>LaTeX Training programme</u> .	Spoken Tutorial Project, IIT, Bombay & RCK.	1 st March, 2020.
3	Participated in IP Awareness/Training programme under <u>National Intellectual Property Awareness Mission</u> .	Intellectual Property Office, India.	10 th August, 2022.

XIV) Scientific conferences attended/ paper presented-11[Participation 3, Oral 8]

Sr. No.	Details of conferences attended/paper presented	Organised by	Date of participation
1	Participated as a registered delegate in the National Conference on <u>Frontiers in biofertilizers and biopesticides</u> .	YCCS, Karad and Microbiologists' Society, Karad.	28 th & 29 th December, 1997.
2	Presentation of Oral research paper entitled <u>Utilization of domestic & industrial waste in National Conference on Challenges & Opportunities in Life Sciences</u> .	Departments of Biochemistry, Microbiology & Biotechnology, SUK.	8 th & 9 th February, 2013.
3	Participated in National Conference on <u>Recent Trends & Future Prospects in Multidisciplinary Approaches in Microbiology – RTFPM -2014</u> .	Department of Microbiology, RCK & Microbiologists' Society, India.	4 th & 5 th October 2014
4	Participated in International Conference on <u>Opportunities in the Maharashtrian agriculture for students and researcher Based on the Israeli experience of Innovation & entrepreneurship in agriculture</u> .	Belgave Education Pvt. Ltd.	30 th November, 2016

5	Presented an Oral research paper entitled <u>Study of antagonistic activity of various actinomycete species on <i>Xanthomonas axonopodis</i> pv <i>punicae</i></u> in an international conference on <u>Innovative Research in Science & Technology (ICIRST-2017)</u>	Gopal Krishna Gokhale College, Kolhapur.	7 th & 8 th November, 2017.
6	Presented an oral research paper entitled <u>Screening of <i>Xanthomonas</i> species causing bacterial blight in pomegranate</u> in an International Conference on <u>Energy, Environment and Ethics in Research</u>	Yashwantrao Chavan Warana Mahavidyalaya, Warananagar.	7 th February, 2019
7	Presented an Oral research paper entitled <u>Reconfirmation of pathogenicity of pomegranate bacterial blight pathogen by applying Koch's postulates</u> in an International one-day multidisciplinary e-conference on <u>Interdisciplinary View on Socio - Economic, Educational, Management, Environmental, Research, Language and Sustainable Development in Covid - 19 Pandemic Situation.</u>	The IQAC cell of Rashtrasant Tukdoji Mahavidyalaya, Chimur, District Chandrapur, Maharashtra in virtual mode.	6th February, 2021.
8	Presented an Oral research paper entitled <u>Screening of actinomycetes effective against pathogen causing bacterial blight of pomegranate</u> at <u>International Conference on Biotechnology for Better Tomorrow, ICBBT-2022.</u>	Microbiologists Society India, Udayana University, Bali, Indonesia and Vidya Pratishtan's Arts, Science & Commerce College, Baramati, India.	29 th to 30 th October, 2022.
9	Presented an Oral research paper entitled <u>Distinctive colony morphology- A tool for differentiation of <i>Xanthomonas axonopodis</i> PV <i>punicae</i> from other members of Genus <i>Xanthomonas</i></u> in the <u>International Conference on Emerging Trends in Applied Microbiology and Food Sciences [ETAMFS-2022]</u>	Department of Microbiology and Food Processing and Packaging, YCIS, Satara.	2 nd and 3 rd December, 2022.
10	Presented an Oral research paper entitled <u>In vitro leaf injection method for detecting the pathogenicity of pomegranate bacterial</u>	Shri Vithal Education & Research Institute [SVERI],	9 th and 10 th December,

	<u>blight pathogen in the International Conference on Advanced Technologies for Societal Applications: Techno Societal 2022.</u>	Pandharpur.	2022.
11	Presented an Oral research paper entitled <u>Study of Current Status of Occurrence and Distribution of bacterial blight of pomegranate caused by <i>Xanthomonas axonopodis</i> PV <i>punicae</i> in Southwestern Region of Maharashtra State in the International Conference on Innovations in Biotechnology Research for Sustainable Development: Challenges and Practices.</u>	Sanjivani Arts, Commerce and Science College, Kopargaon, Ahmednagar, Maharashtra.	28 th and 29 th March, 2023.
12	Presented a Poster entitled <u>Isolation and characterization of polystyrene degrading bacteria isolated from meal worm gut (<i>Tenarion molitor</i>) in the International Conference on Innovations in Biotechnology Research for Sustainable Development: Challenges and Practices.</u>	Sanjivani Arts, Commerce and Science College, Kopargaon, Ahmednagar, Maharashtra.	28 th and 29 th March, 2023.

XV] Avishkar competition- 1

Sr. No.	Details of participation	Organised by	Date of participation
1	Participated in University Level <u>Avishkar Research Convention 2021-22</u> in Agriculture and Animal Husbandary	Department of Computer Science, SUK.	11 th Feb, 2022.

XVI] Workshops attended/participated- 11

Sr. No	Details of participation	Organised by	Date of participation
1	One-day State Level Workshop on <u>NET/SET Examination Guidance.</u>	Yashwantrao Chavan Institute of Science, Satara.	14 th April, 2010.
2	Participated as a member of organizing committee in a one-day workshop on <u>Teaching & Learning Biology.</u>	Lead College Scheme, Shivaji University, Kolhapur.	29 th December, 2010.

3	One-day workshop on <u>Molecular Biology</u> .	HI Media Laboratories Pvt. Ltd.	21 st December 2013.
4	One-day workshop on <u>Women Empowerment</u> .	Lead college scheme, Shivaji University, Kop.	27 th December 2013
5	One-day workshop on <u>Revised Syllabus of B. Sc. III Microbiology</u> .	Rajaram College, Kop.	22 nd August 2015
6	One-day workshop on <u>The Universal Human Value Education: Need of Current Situation</u> .	Gopal Krishna Gokhale College, Kolhapur under lead college scheme, Shivaji University, Kop.	1 st October 2015
7	One-day workshop on <u>Prime Minister's Fellowship Scheme for Doctoral Research</u> .	DST-SERB & CII New Delhi & D. Y. Patil Education Society Deemed University, Kop	25 th November, 2016
8	<u>Familiarization workshop on patents & IPR</u> .	Research Committee, Rajaram College, Kop.	8 th January, 2017.
9	One-day workshop on <u>Frontiers in Interdisciplinary Research</u>	Department of Physics, Rajaram College, Kolhapur under lead college scheme, SUK.	18 th January, 2018.
10	Participated as delegate in <u>Workshop on Development of e-Question Bank</u>	Krishna Institute of Allied Sciences, Karad.	18 th August, 2022.
11	Participated in three days workshop <u>Redefining Frontiers of Research</u> .	Krishna Vishwa Vidyapeeth, Karad.	27 th to 29 th April, 2023.

XVIII] Quiz competitions -5

Sr. No.	Details of participation	Organised by	Date of participation
1	Participated in <u>Quiz</u> Competition.	Department of Food Science and Technology, SUK.	16 th Oct, 2020.
2	Completed the National Level e-Quiz on <u>World Pneumonia Day</u> .	Department of Microbiology, Justice Basheer Ahmed Sayeed College for Women.	12 th November, 2022.

3	Completed the <u>Constitution Day Quiz</u>	Ministry of Law & Justice and MyGov.	26 th November, 2022.
4	Completed the <u>World Environment Day Quiz</u> with the score 20/30.	Global Youth for Environment and Sustainability.	9 th June, 2023.
5	Completed <u>9 Years: Seva, Sushasan aur Garib Kalyan Mahaquiz 2023</u> .	Govt. of India.	15 th June, 2023.

XVIII] Seminars attended/participated- 3

Sr. No.	Details of participation	Organized by	Date of participation
1	One-day national seminar on <u>Future Perspective of Biological Sciences</u> .	Department of Microbiology, Shivaji University, Kolhapur & Microbiologists Society, India.	4 th March 2014
2	National Seminar on <u>Research Panorama of Life Sciences</u> .	IQAC & Life Science Department, Rajaram College, Kolhapur.	15 th to 18 th June, 2020.
3	Participated as delegate in the National Level seminar on <u>Alignment of Health Profession Education with NEP 2020- A Way forward</u> .	IQAC, KVVDU, Karad.	4 th February, 2023.

XIX] Webinars attended/participated - 1

Sr. No.	Details of participation	Organised by	Date of participation
1	Webinar on <u>Paulkhuna</u>	Science Forum, Government College of Arts and Science, Aurangabad.	4 th August, 2020

XX] Committee In- charge

Sr. No.	Details	Organized by	Date
1	Worked as In-charge of Cultural Committee and In-charge of Registration Committee in Two days National Level Students Conference <u>Industry-Academia Meet for Students of Rural and Urban India on Biomake in India [IAMSRUI-2023]</u> .	Krishna Institute of Allied Sciences, KVVDU, Karad.	20 th to 21 st May, 2023.

XXI] Events- 1

Sr. No.	Details	Organised by	Date
1	Participated in <u>Maharashtra Start-up Yatra 2022</u>	Maharashtra State Innovation Society[MSInS]	14 th October, 2022.

XXII] Membership

Sr. No.	Details	Membership number	Date of membership
1	Life member of <u>Microbiologists Society, India</u> [Reg. No. MAHA/4814/SAT]	MS/LM/838	05-12-2022.

XXIII] Symposium attended/participated- 1

Sr. No.	Details of participation	Organised by	Date of participation
1	Participated as a registered delegate in the symposium on <u>Microbial Technology</u> .	Microbiologists' Society, Karad.	28 th & 29 th December, 1996.

XXIV] Riddle competition-1

Sr. no.	Details of participation	Organised by	Date of participation
1	Participated in <u>Riddle</u> Competition.	Department of Food Science and Technology, SUK.	16 th Oct, 2020.

XXV] Guest lectures - 2

Sr. No.	At	Subject	Date
1	B. Tech. part II, KIT, Kop.	Industrial awareness	7 th August, 2021.
2	Sanjay Ghodawat Star Factory, Rice Division	Food Safety and Quality Management System	10 th January, 2022.

XXVI] Paper Setter for theory examination

Sr. No.	Class	Subject	Paper No.	At	DATE
1	B. Sc. I	Ind. Microbiology	I	Shivaji University, Kop.	16-09-2017.
2	B. Sc. II	Ind. Microbiology	VI	Shivaji University, Kop.	18-09-2017.
3	B. Sc. I	Ind. Microbiology	II	Shivaji University, Kop.	17-10-2018.
4	B. Sc. I	Ind. Microbiology	III	Shivaji University, Kop.	12-11-2018.
5	B. Sc. I	Ind. Microbiology	IV	Shivaji University, Kop.	21-02-2019.
6	B. Sc. I	Ind. Microbiology	I	Shivaji University, Kop.	04-09-2019.
7	B. Sc. I	Ind. Microbiology	II	Shivaji University, Kop.	13-09-2019.
8	B. Sc. III	Ind. Microbiology	XIV-81757	Shivaji University, Kop.	15-03-2021
9	B. Sc. III	Ind. Microbiology	XIV-81757	Shivaji University, Kop.	30-08-2021
10	B. Sc. III	Ind. Microbiology	XI-79761	Shivaji University, Kop.	10-02-2022
11	B. Sc. III	Ind. Microbiology	XIV-81757	Shivaji University, Kop.	10-02-2022
12	B. Sc. III	Ind. Microbiology	X-79760	Shivaji University, Kop.	14-02-2022
13	M. Tech.I	Advanced Microbiology and	PBEB0103	KIT, Kolhapur	25-03-2022

		Biochemistry			
14	B.tech. III	Microbial analysis	UBIO0661	KIT, Kolhapur	26-04-2022
15	B. Sc. II	Ind. Microbiology	VII- 78925	Shivaji University, Kop.	20-06-2022
16	B. Sc. III	Ind. Microbiology	XIV-81757	Shivaji University, Kop.	20-06-2022
17	B. Sc. III	Ind. Microbiology	XV-81758	Shivaji University, Kop.	20-06-2022
18	B. Sc. III	Ind. Microbiology	XVI-81759	Shivaji University, Kop.	20-06-2022
19	B. Sc. I	Microbiology	III and IV	Mahavir Mahavidyalaya, Kop.	27-06-2022
20	B. Sc. III	Ind. Microbiology	XI-79761	Shivaji University, Kop.	13-07-2022
21	B. Sc. III	Ind. Microbiology	X-79760	Shivaji University, Kop.	15-07-2022
22	B. Tech. III	Basics of Cell Culture [Audit Course]	UBIO 0561	KIT, Kolhapur.	04-12-2022
23	B. Tech. III	Microbial Analysis [Audit Course]	UBIO 0661	KIT, Kolhapur.	25-05-2023.
24	M. Sc. I FST	Food Microbiology	92576	Shivaji University, Kop.	31-10-2023.

XXVII] External examiner : Practical

Sr. no.	Class	At	DATE
1	B. Sc. II, Microbiology.	Vivekanand College, Kop.	03-04-2017 to 04-04- 2017.
2	B. Sc. II, Microbiology	Vivekanand College, Kop.	11-04-2019 to 12-04-2019
3	B. Sc. II, Biotechnology.	KIT, Kolhapur.	05-12- 2019.
4	SY B.tech –immunology	KIT, Kolhapur.	20-05-2021
5	SY B.tech (Microbial Technology).	KIT, Kolhapur.	08-01-2022
6	SY B.tech (Microbial Technology).	KIT, Kolhapur.	19-04-2022

7	SY B.tech -immunology	KIT, Kolhapur.	08-06-2022
8	B. Sc. II, Microbiology	VY college, Peth Wadgaon.	10-06-2022 to 12-06-2022
9	B. Sc. II, Microbiology	Shiv Shahu college, Sarud.	14-06-2022 to 16-06-2022
10	B. Sc. II, Microbiology	Vivekanand College, Kop.	20-06-2022 to 22-06-2022.
11	B. Sc. II, Microbiology	Ghali college, Gadhinglaj	23-06-2022 to 25-06- 2022.
12	SY B.tech -immunology	KIT, Kolhapur.	17-08-2022.
13	SY B.tech -immunology	KIT, Kolhapur.	24-06-2023.
14	M. Sc. II – Microbiology - Sem I	Vivekanand College, Kop.	05-12-2023 to 07-12-2023

XXVIII] Central Assessment Programme [CAP]:Examiner

Sr. no.	Class/Subject	At	DATE
1	B.Sc. II, Industrial Microbiology	Rajaram College, Kop.	24-05-2013.
2	B.Sc. II, Microbiology.	Rajaram College, Kop.	09-06-2013.
3	B.Sc. I, Industrial Microbiology.	Rajaram College, Kop.	11-05-2014.
4	B.Sc. I, Industrial Microbiology.	Rajaram College, Kop.	04-05-2017.
5	B.Sc. I, Microbiology.	Rajaram College, Kop.	10-05-2017.
6	B. Sc. III, Microbiology	Vivekanand College, Kop.	30-10- 2017.
7	B.Sc. I, Industrial Microbiology.	Rajaram College, Kop.	01-11- 2017.
8	B. Sc. III, Industrial Microbiology	Vivekanand College, Kop.	02-11- 2017.
9	B.Sc. I, Microbiology.	Rajaram College, Kop.	15-11-2017.
10	B. Sc. II, Industrial Microbiology	Vivekanand College, Kop.	21-11-2017
11	B. Sc. II, Microbiology	Vivekanand College, Kop.	28-11-2017
12	B. Sc. III, Industrial Microbiology	Vivekanand College, Kop.	04-05-2018
13	B.Sc. II, Industrial Microbiology.	Gopal Krishna Gokhale College, Kop.	05-06-2018 to 06-06-2018
14	B.Sc. II, Microbiology.	Rajaram College, Kop.	09-12- 2019.

15	B.Sc., Microbiology.	Shivaji University, Kop.	16-06-2020.
16	B. Sc. III, Industrial Microbiology	Vivekanand College, Kop.	04-07-2022.
17	B. Tech. III, Basics of Cell Culture [Audit Course], UBIO 0561	KIT, Kolhapur.	07-01-2023.

XXIX] Central Assessment Programme [CAP]:Moderator

Sr. No.	Class/Subject	At	DATE
1	B. Sc. III, Microbiology, Virology.	Vivekanand College, Kop.	07-07-2022.
2	B. Sc. III, Microbiology, Genetics.	Vivekanand College, Kop.	07-07-2022.
3	B. Sc. III, Microbiology, Agri.	Vivekanand College, Kop.	07-07-2022.

XXX] Invigilation of other exams

Sr. No.	Exam	Date
1	GATE	14 th February 2010
2	Pre IAS entrance exam	3 rd December 2017
3	SET	27 th December 2020
4	Satara Sainik School	7 th February 2021
5	MPSC prelim exam	21 st March 2021
6	MPSC main exam	4 th September 2021
7	Health Department exam	17 th October 2021
8	Railway Police exam	23 rd October 2021
9	MPSC exam	24 th October 2021
10	MPSC public Health Department exam	31 st October 2021
11	Mumbai Police Constable	14 th November 2021
12	MPSC preliminary exam	23 rd January 2022

XXXI] Other

Sr. No.	ACTIVITY	ORGANISED BY	DATE/ YEAR
1	Participated in two-day RSP camp.	Traffic Control Branch, Kolhapur Police.	6 th & 7 th Jan, 1990.
2	Judged the <u>state level slogan, quiz & essay competitions.</u>	Science Association of RCK & Microbiologists Society, India.	1 st Sept. 2013.
3	Presented Poster <u>Eco friendly control of Bacterial Blight of Pomegranate</u> in front of NAAC Peer Team.	----	4 th March, 2016
4	Participated in <u>Online Sparrow Count event.</u>	Nisargmitra, Jalgaon, Maharashtra.	18 th to 20 th March, 2023.

XXXII] Work profile

1] I started my employment career as a microbiologist in Quality Assurance Department of a healthcare company, M/S Mistair Health and Hygiene Pvt. Ltd. [6 March 1999 - 30 June 2000]. There, I was involved in diverse type of work:

- ❖ Microbiological analysis of baby care products of Johnson and Johnson Ltd.
- ❖ Preparation of microbiological culture media
- ❖ Sterilisation of media in autoclave
- ❖ Pure culture handling and transfers
- ❖ Standard Plate Count
- ❖ Detection of pathogens,
- ❖ Observation and interpretation of results
- ❖ DM [demineralized] water analysis
- ❖ Packing material analysis
- ❖ Operation of instruments like desiccator, pH meter, laminar air flow, weighing balance etc.
- ❖ IPQA [In Process Quality Assurance]

❖ Documentation of all the results.

2] From June 2000 to February 2001, I worked as a guest lecturer at KIT College, Kolhapur. There, I conducted theory lectures of biotechnology topics.

3] From February 2001 to 30 June 2022, I worked at Rajaram College, Kolhapur as Assistant Professor on Clock Hour Basis. During this period, I was involved in diverse activities.

- ❖ Conducting of theory lectures of the subject, General Microbiology and Industrial Microbiology at UG level on the varied topics like basics of fermentation, medical microbiology, soil microbiology, agricultural microbiology, virology, immunology, genetics, biotechnology, biochemistry etc.
- ❖ Conducting of laboratory practicals like microscopic examinations of bacteria, fungi, yeasts, molds, actinomycetes; motility study, monochrome, Gram and special stainings, mutation experiments, phage isolation, antibiotic and vitamin bioassays, chromatography, estimation of DNA, vitamin C, penicillin by chemical methods, isolation of DNA and electrophoresis of DNA.
- ❖ Assisting the Industrial Microbiology students in their UG level projects.
- ❖ Handling various instruments like compound microscope, pH meter, colorimeter, spectrophotometer, LAF, digital balance, autoclave, hot air oven, incubators, sonicator etc.
- ❖ Participation in international and national conferences, seminars and workshops.
- ❖ Worked as a member of paper setting committee of Shivaji University, Kolhapur.
- ❖ Worked as an examiner and moderator for theory and practical exams at Shivaji University Kolhapur.
- ❖ Directing and conducting blood group detection camp
- ❖ Conducting seminars of Microbiology and Industrial Microbiology
Managing and organizing the intra and intercollege Biovision Club competitions
- ❖ Judging essay, poster, model, quiz, rangoli, slogan, ex tempore elocution, debate, skit competitions

- ❖ Managing and organising analysis of drinking water collected from various localities,
- ❖ Assisted the seniors in conducting study tours
- ❖ Organising and participating the parent meets
- ❖ Participating in school visits to spread awareness and importance of Microbiology in day to day life.
- ❖ Worked as an in charge of departmental library.
- ❖ During assessment of Rajaram College by NAAC team in the year 2003 and 2015, assisted higher authorities in preparing, compiling and setting up of documents.
- ❖ Assisted the seniors in clerical jobs like academic audits, remuneration calculations, chemical and glassware stock checking etc.
- ❖ Invigilation of various other exams like GATE, Pre IAS entrance, SET, MPSC exams.
- ❖ Handling of computer, preparing google forms, PowerPoint presentations, conducting online lectures and seminars on Google meet.

4] In 2021, I started my own two YouTube channels viz. Mrudulas Microbiology and Mrudulas Microbiology Marathi. These channels are created to clear the concepts of microbiology in an easy manner.

5] I worked as an Assistant Professor at Krishna Institute of Allied Sciences, Krishna Vishwa Vidyapeeth [Deemed to be University], Karad from 04.08.2022 to 03.08.2023. During this period, I was involved in diverse activities:

❖	Completed theory and practical syllabus	B. Sc. I –Microbiology/Biotechnology – Paper number 6 – Mycology, phycology and protozoology [Sem 1] Paper number 2- Basics of biochemistry [Sem 2].
		M. Sc. I – Microbiology, Biotechnology and pharmaceutical microbiology – Paper 2 – Fundamentals of biochemistry.
		M. Sc. II – Microbiology – Microbial technology –I
		M. Sc. II – Biotechnology – Industrial

		fermentations M. Sc. II – Pharmaceutical Microbiology – Fermentation technology
❖	NAAC	Convenor of NAAC criteria 6
❖	Students project guide	2 UG and 12 PG students
❖	Students seminars	M. Sc. II students, 12 in sem I & 6 in sem 2.
❖	Swayam courses	2
❖	Research paper publications	7 [2 published, 5 accepted]
❖	Book Chapter	1 [accepted at Springer Nature]
❖	Project proposal	1 [submitted]
❖	Copyright	1
❖	Awards	2
❖	Resource person for workshop	2
❖	Faculty Development Programme	2
❖	Orientation programme	1
❖	Training programme	1
❖	Oral research paper presentation	4 International conferences
❖	Workshops attended	2
❖	Quiz competitions	4
❖	Seminar attended	1
❖	Conference committee In-charge	2
❖	Start-up event	1
❖	Membership	1
❖	Paper setting	2
❖	External practical examiner	2
❖	Paper evaluator	1
❖	Extracurricular activity	1

6] Currently working as a contributory teacher at Department of Food Science and Technology, Shivaji University, Kolhapur and B. Tech. Chemical Engineering, Department of Technology, Kolhapur.

[Dr. Mrudula M. Bendigeri]