

Faculty Profile

1. Name:	Dr.Ranjana Ganesh Khade
2. D.O.B.:	03/07/1976
3. Mobile No:	9969259379
4. Email id:	r.khade@ssrkt.edu.in
5. Department:	Microbiology
6. Designation:	Associate Professor
7. Date of Appointment:	30 th January 2008
8. Date of Superannuation:	31 st July 2036
9. Appointment Type:	Permanent
10. Education Qualification:	M Sc PhD NET SET
11. Work Experience:	23 Years
12. Courses Taught:	B Sc Microbiolgy and MSc Microbiology
13. Courses Developed:	Member of T Y B Sc Microbiology Paper 2 syllabus framing committee of Mumbai University (2019-2020) Member of M Sc II Microbiology Paper 4 syllabus framing committee of Mumbai University (18-19) Member of NEP M Sc Microbiology syllabus framing committee of Mumbai University (2023-24)
14. Area of specialization/research:	Microbial Technology and Environmental Microbiology
15. Achievements:	

A. Awards & Honors:	Name of Awards/honors/distinctions and recognitions	Year in which received	Institution which presented the award /sanctioning body
	Best poster Award	2013	MBSI, India and Rajiv Gandhi Science centre, Mauritius
	Best Presentation	2013	Bhartiya Vidya Bhavan's Hazarimal Somani College, Mumbai.
	Best Researcher Award	2020	Jagannath University, Jaipur
	Best research paper presentation	2020	MBSI, India and Q study, Male, Maldives.
	Best research paper presentation	2020	Ismail Yusuf College Of Arts, Science & Commerce, Government of Maharashtra. Jogeshwari East, Mumbai
	Best research paper presentation	2023	Madha Taluka Shikshan Prasarak Mandal's K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare, Tal-Madha, Dist- Solapur (M.S.).

B. Projects:	Title, University/ Organisation				
	Title of the project	Whether Investigator/Co investigator	Duration	Amount sanctioned	Funding agency
	Production and characterization of Microbial emulsifier	Principal Investigator	2004-2005	Rs. 20000/-	Mumbai University
	Irradiation induced effects on bacterial cell division protein FtsZ	Co-investigator	2006-2009	Rs. 13, 75, 600/-	Dept of atomic Energy (DBT)
	Physicochemical analysis and microbiological degradation of paper mill effluent for crop irrigation	Principal Investigator	2009-2010	Rs.15000/-	Mumbai University
	Physicochemical characterization and biodegradation of tannery effluent for safe disposal	Principal Investigator	2012-2013	Rs. 27400/-	Mumbai University
	Microbial analysis of indoor dairy cattle shed environment and its impact on the quality of milk	Principal Investigator	2 years (2014-)	Rs. 280,000/-	UGC, New Delhi
	Microbial production of Bioplastic from congress weed for oil removal	Principal Investigator	2019-20	Rs. 35000/-	Mumbai University

C. Membership:	Academic Body: Association of Microbiologist of India (AMI) -Life Member Microbiologist Society of India (MBSI)- Life Member Indian Women Scientists' Association- Life Member
D. Resource person in Seminar/ Conferences/ Workshop Guest lecturers / Refresher Course Orientation/STC	1. Resource person at five days workshop on “Application of Bioinformatics in Research” at R K Talreja College. 2. Resource person at workshop on “Use of Google Classroom in teaching learning” at R K Talreja College.
E. Ph.D.:	Completed
F. Ph.D. Guideship:	Yes (Ph.D.)
G. Industry:	Nil
H. Patents/Copyrights (Filed & Granted):	Design Patent Titled” Relationship of Environmental procedure and execution of green Human Resource Management” published in The Indian Patent Office Journal No. 43/2023 Dated 27/10/2023.
I. Others: (if any).:	Mumbai University M Sc I Microbiology Chairperson University Coordinator of MBSI for Mumbai University for 2022-23.
16. Publications*:	

A. Research Papers:

1. **Khade Ranjana**, Mane Priyadarshani and Dasgupta Debjani..Production and partial Characterization of extracellular Bioemulsifier of *Candida valida*. *Journal of Microbial World* 7(2): 144-151. (2005)
2. Rashmi B. Kurlkar, **Ranjana G. Khade** and Varsha K. Vaidya.. Degradation of Anionic Surfactant by *Pseudomonas aeruginosa*. *Nature Environment and Pollution Technology* 6(3): 545-548. (2007).
3. **Khade Ranjana** and Dasgupta Debjani. Biosurfactant enhanced removal of oil.*Bioinfolet* 4 (4): 289-290. (2007).
4. **Ranjana G. Khade**, Varsha K. Vaidya and Deepmala B. Jain. Effectiveness of commonly used fluoride and herbal based toothpastes against oral microflora. *Bioinfolet* 4(2): 130-134. (2007).
5. Varsha K. Vaidya, **Ranjana G. Khade** and Bhumi S. Rajyaguru. Study on bioburden of medicinal herbs. *Bioinfolet* 4 (1): 35-38. (2007).
6. Varsha K. Vaidya and **Ranjana G. Khade**. Efficiency of disinfectants in cleaning and disinfecting the hard surfaces in hospitals. *Journal of Microbial World* 9 (1): 54-59. (2007).
7. Varsha K. Vaidya and **Ranjana G. Khade**. Degradation of crude oil by hydrocarbon degraders. *Bioinfolet* 4(3): 218-224. (2007).
8. Pooja Bajpai, **Ranjana G. Khade**, Varsha K. Vaidya. Plasmid mediated transfer of antibiotic resistance amongst nosocomial pathogens. *Journal of Microbial World* 9 (1): 132-138. (2007).
9. **Khade Ranjana** and Dasgupta Debjani. Screening of biosurfactant/bioemulsifier producing yeasts and bacteria from petroleum contaminated sites. *Journal of Microbial World* 9 (1) 71-79 . (2008).
10. Durgesh P. Mahale and **Ranjana G. Khade**. Microbiological evaluation of street vended vegetable and fruit juices from Mumbai city, India. **Bionano Frontier** 1(2): 140-144. (2008).
11. **Ranjana G Khade** and Debjani Dasgupta. Studies on biosurfactant production by *Ochrobactrum anthropi* isolated from petroleum contaminated site. *Asian Journal of Microbiology, Biotechnology and Environmental science* 10(3): 591-599. (2008).
http://www.envirobiotechjournals.com/article_abstract.php?aid=1956&iid=69&jid=1
12. Durgesh P. Mahale, **Ranjana G. Khade**, Varsha K. Vaidya..Microbiological Analysis of Street Vended Fruit Juices from Mumbai City, India. Internet Journal of Food Safety. (10): 1-4. (2008)
<http://www.academia.edu/download/31962798/ijfsv10-5.pdf>
13. **Ranjana G Khade** and Debjani Dasgupta. Role of biosurfactant of *Ochrobactrum anthropi* in solubilization and degradation of naphthalene. *Pollution Research* 3: 511-517.(2009)

http://www.envirobiotechjournals.com/article_abstract.php?aid=1956&iid=69&jid=

14. **R. G. Khade and S. Dimmpy.** 2014. Isolation and Characterization of plant growth promoting siderophore producing *Pseudomonas* **In proceedings of UGC** sponsored two days national seminar on “Expanding Panorama of Microbiology” organized by CKT college New Panvel pp 59-62 , November 2014. ISBN NO. 978-93-83342-05-1.
15. **Khade Ranjana Ganesh and Jiji Joseph.** Isolation and characterization of cholesterol reducing *Lactobacilli*. *Journal of Microbial World* 17(1):77-81. (2015) :ISSN-0972 1487.
16. **Ranjana Ganesh Khade.** Biodegradation of Tannery effluent by *Aspergillus* spp. *Life Sciences International Research Journal* 2: 243-249. (2015) ISSN 2347-8691).
17. **Khade Ranjana Ganesh.** Cocomposting of Garden waste and used papers. *Royal* 6(2 Part V): 169-173. (2017). ISSN-2278-8158). Journal no.47037 (Impact factor-4.42).
18. Khushali Chandulal Ahire and **Ranjana Ganesh Khade..**Antimicrobial activity of mustard against Mackerel fish pathogens. *International Journal of Trend in Scientific Research and Development*.2(2):888-891. (2017). ISSN No: 2456 – 6470. https://archive.org/details/129AntimicrobialActivityOfMustardAgainstMackerelFishPathogens_201810
19. **Ranjana Ganesh Khade.** Multimetal resistance study of mercury resistant bacteria for bioremediation of heavy metal polluted sites. *Ajanta* 6(2) part 5: 142-148. 2018. UGC care listed (2277-5730).
20. Mahesh Rangrej and **Ranjana Khade.** Cost Effective Production of Biosurfactant Using Banana Peel. *International Journal of Innovative Research in Science, Engineering and Technology* 7(12):12071-12077. 2018. ISSN(Online): 2319-8753. DOI:10.15680/IJIRSET.2018.0712082.
21. Mayuri Tawre and **Ranjana Khade.** Isolation and Characterization of Biofilm Producing Organisms from Tooth Surfaces of Children. *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*. 6(XII):965-969. 2018. ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887. <https://www.ijraset.com/archive-detail.php?AID=81#popup156>
22. Asmita Genge and **Ranjana Khade.** Isolation and Screening of Exoelectrogenic Bacteria from Waste Water. *International Journal of Trend in Scientific Research and Development (ijtsrd)* 3(3): 1450-1452. 2019. ISSN: 2456-6470 URL:<https://www.ijtsrd.com/papers/ijtsrd23352.pdf>.
23. Sharma Parimita Prashant and **Khade Ranjana Ganesh.,** Qualitative Analysis of Aeromycoflora of Indoor Dairy Cattle Shed. *Int J Recent Sci Res.* 10(04): 31720-31722. 2019. DOI: <http://dx.doi.org/10.24327/ijrsr.2019.1004.3322>
24. Kalpana Suryabhan Jaiswar and **Ranjana Ganesh Khade.** Isolation and Screening of Probiotic *Lactobacilli* for Antidiabetic Activity. *International Journal of All Research Education and Scientific Methods (IJARESM)*, ISSN: 2455-6211 Volume 10, Issue 1, January-2022, Impact Factor: 7.429,

	<p>Available online at: www.ijaresm.com</p> <p>25. Parimita. P. Sharma and Ranjana. G. Khade., Seasonal Evaluation of Mycodiversity Associated with Milking Animals from Indoor Cattle Shed. <i>IJCRT</i> 10 (01). a83-a85, 2022.</p> <p>26. Ranjana G Khade. Impact of Mutation on Metal Resistance in <i>Pseudomonas</i> Spp. <i>International Journal of Enhanced Research in Science, Technology & Engineering</i> ISSN: 2319-7463, Vol. 11, Issue 3: 38-41.(2022).</p> <p>27. Mohammed Anaam Shafique Ahmed Ansari and Ranjana Ganesh Khade. Evaluation Of Nutraceutical Property of Orange And Banana Peel. <i>International Journal of Advance and Applied</i> Vol.4 No.12 :61-65, (2023). ISSN – 2347-7075</p> <p>28. Shifa Farooq Siddiqui and Ranjana Ganesh Khade. Sustainable Production of Bioplastic from Water Hyacinth. <i>International Journal of Advance and Applied</i> Vol.4 No.12 91-94.(2023), ISSN – 2347-7075</p> <p>29. Anjali Chakradhar Jadhav, Ranjana G. Khade. Formulation of Anti-Dandruff Herbal Mask for Healthy Hair. <i>International Journal of Scientific Development and Research (IJS DR)</i> Vol.8, Issue 7, page no.717 – 723. ISSN: 2455-2631.(2023). www.ijedr.org/ https://www.ijedr.org/viewpaperforall.php?paper=IJS DR2307103</p> <p>30. Khushali Ahire, Ranjana G. Khade , Ajai Kumar Singh , Parimita P. Sharma. Preservative Effects of Mustard Marination on Indian Mackerel Fish. <i>International Journal Of Innovative Research In Technology</i> Volume 10 Issue 4,page no.78 – 83.(2023) ISSN: 2349-6002 https://ijirt.org/master/publishedpaper/IJIRT161466_PAPER.pdf.</p> <p>31. Namira Hussain Kazi and Ranjana Ganesh Khade. Evaluation Of Antimicrobial Activity of Caraway Extract Against Dental Plaque Pathogens. <i>International journal of research publications and reviews.</i> ISSN 2582-7421 Volume 5(4) :1110-1112 (April 2024) https://ijrpr.com/uploads/V5ISSUE4/IJRPR24672.pdf</p>
B. Articles:	NIL

C. Books/ Book chapters:	<ol style="list-style-type: none"> 1. Khade Ranjana and Dasgupta Debjani. Characterization of a biosurfactant from <i>Ochrobactrum anthropi</i> for potential application in bioremediation” In Current Research in Biochemistry and Microbiology, Oxford Book Company. pp 74-85. 2015. 2. Ranjana Ganesh Khade and Kalpana Suryabhan Jaiswar. Evaluation of antibiotic activity of probiotic activity of lactic acid bacteria and herbal extracts. In proceedings on Two days National Seminar on “Contemporary Issues in Biosciences” 57-59. 2020. ISBN-978-93-89925-00-5. 3. Shirisha R Murugu and Ranjana G Khade. Self healing biocement production for sustainable production. In Compendium of Research insights of life science students, Vol 1(Chapter 85) page no.:184-186 (2020), JPS Scientific Publication India (ISBN 978-81-946500-0-3). 4. Ranjana G. Khade. Role of herd immunity in the management of COVID-19 . In COVID – 19: Impact and Response . Bhumi Publishing, India. 2020. pp 208-210. ISBN: 978-93-88901-11-6.(https://www.bhumipublishing.com/books/). 5. Khade Ranjana G. Isolation of bioplastic producing bacteria for management of congress weed. In Proceeding of International e-conference on “Emerging technologies in Pharma, environmental and life sciences. EMETHPELS 2020. 18- 19th June 2020 : 24-28.(ISBN 978-93-83112-09-8). 6. Ranjana G. Khade. Microbiological treatment of waste water by microbial fuel cell. In Environmental Pollution: Causes, Effects, Status and Remedies, University of Mumbai. 14-16, (2021) 978-81-954270-3-1. 7. Ranjana G. Khade. Antidiabetic Property of Medicinal Plants. In Agriculture marketing and rural management, pp 33-40 (2021), ABS Books, Publisher, Exporter And Online Bookstore (Website-http://www.absbooksindia.com/) ISBN : 978-93-91002-65-7.
D. Others	<p>Editor:</p> <p>‘Editor’ for the book entitled, “Research and Reviews in Pharmaceutical and Health Sciences Volume II (ISBN: 978-93-95847-90-2)” published by Bhumi publishing house in February, 2024.</p>

17. Passport size
photograph

