

CURRICULUM VITAE

Miss. Pooja Radhakishan Kakde

M.Sc. (Microbiology), CSIR-UGC NET,
MH SET, ICAR NET, INSPIRE Scholar

Email Id: poojakakde12@yahoo.com

Date of Birth: 12th July 1993

Marital Status: Unmarried

Languages Known: English, Marathi and Hindi

Address: Gajanan Nagar, Parbhani-431401 (M.S.)



Educational Qualifications:

Examination	University/ Board	Year of Passing	Subject(s)	Percent (%)	Class/Grade
S.S.C (10 th)	MH Board, Aurangabad	June, 2009	Marathi, Sanskrit, English, Maths, Science & Tech., Social science	88.00	Grade I with Distinction
H.S.C (12 th)	MH Board, Aurangabad	May, 2011	English, Physics, Chemistry, Biology, Crop Science	83.67	Grade I with Distinction
Bachelor of Science (B.Sc.)	SRTMU, Nanded	July, 2014	Botany, Microbiology, Zoology	86.54	First Class with Distinction
Master of Science (M.Sc.)	SRTMU, Nanded	July, 2016	Microbiology	84.48	'O' Grade with First Merit
SET	SPPU, Pune	May, 2016	Life Sciences	60.00	Qualified
NET	CSIR-UGC	June, 2017	Life Sciences	30.00	Qualified
NET	ASRB	Jan., 2020	Agricultural Microbiology	49.33	Qualified
Doctor of Philosophy (Ph.D.)	SRTMU, Nanded	-	Microbiology	-	THESIS SUBMITTED

Professional Experience:

- Teaching experience: 2.0 years at PG level.
- Research experience: 06 years.
- M.Sc. dissertations supervised as Co-Guide: 34.

Honors and Awards:

- Recipient of INSPIRE Scholarship Five years (2011-2016) during B.Sc. and M.Sc. awarded by Department of Science and Technology, Govt. of India, New Delhi.
- First Rank holder in M. Sc. Microbiology during the two years tenure from 2014-2016.

- Awarded with Cash prize instituted by Late Dr. Bhimrao Pingale, Beed for securing highest marks in Microbiology at M. Sc. held in Summer-2016.
- Recipient of Research Fellowship in Ph.D. funded by University Grant Commission (Nov. 2017- 2022).
- Recipient of award in the field of education organized by Homeopathic Academy of research and Charities, Parbhani on the occasion of Women's day.

Academic Projects:

- **B. Sc. dissertation:**

Title-“Effect of hand washing on hands and fingernails Microflora”.

Guide- Dr. Shiva C. Aithal.

Institute- Microbiology Department, DSM College, Parbhani.

- **M. Sc. dissertation:**

Title-“Bioelectricity generation from wastewater using microbial fuel cell (MFC)”.

Guide- Dr. Shiva C. Aithal.

Institute- Microbiology Department, DSM College, Parbhani.

- **Ph.D. (Thesis Submitted):**

Topic-“Utilization of agricultural biomass for production of fungal Cellulases employing Solid State Fermentation (SSF) technique”.

Research Supervisor- Dr. Shiva C. Aithal.

Institute- Microbiology Department, DSM College, Parbhani.

Memberships:

1. Life Member of Students Association in Microbiology (SAM) at DSM College, Parbhani, Maharashtra.
2. Active Annual Member of Microbiologist's Society, India (MSI) during 2015-2016.
3. Life Member of the Association of Microbiologists of India (AMI) with ID: **5241-2022**.
4. Life Member of the Indian Science Congress Association (ISCA) with ID: **L42895**.

Research Papers:

1. Kakde P. R. and Aithal S. C. (2018). Production of cellulases through Solid State Fermentation (SSF) using agricultural waste biomass as solid substrates by *Aspergillus niger*. *International Journal of Scientific Research in Biological Sciences*, 5(4), 8-11.
2. Pooja R. Kakde and Shiva C. Aithal (2019). Potential of agricultural waste residues as a novel media for the growth of *Aspergillus niger* for cellulase production. *Dnyanopasak Research Journal*, 1(01), 15-20.
3. Kakde P. R. and Aithal S. C. (2019). A Review on bioethanol production from agricultural lignocellulosic biomass. *Journal of Emerging Technologies and Innovative Research*, 6(6), 153-158.
4. Pooja R. Kakde and Shiva C. Aithal (2019). Value Addition Of Agro-Residues: Novel Aspects of Solid State Fermentation (SSF) technique for cellulase production. *Everyman's Science*, LIV (4), 245-249.

5. Aithal S. C. and **Kakde P. R.** (2020). Plagiarism detection tools for copyright protection in the electronic environment. *Studies in Indian Place Names*, 40(49), 436-443.
6. Kakde, P.R. and Aithal, S. C. (2020). Effect of pretreatment on agro-residues for cellulase production by Solid State Fermentation using fungi. *International Journal of Recent Scientific Research*, 11, Issue 01(D), 36903-36906.
7. Kakde Pooja and Aithal Shiva (2021). Evaluation of various agricultural biomass for cellulase production by *Trichoderma* spp. under solid state fermentation (SSF). *Mysore J. Agric. Sci.*, 55(3), 49-58.
8. Kakde, P.R. and Aithal, S. C. (2022). Influence of process parameters on cellulase production by *Trichoderma viride* (MTCC 800) employing solid state fermentation. *The Journal of Research ANGRAU*. 50(3): 1-9.

Book/Book Chapters:

1. Aithal S. C. and **Kakde P. R.** (2020) Valorization of agro-residues for cellulase production by Solid State Fermentation. In Dr. Makari H. and Manjunatha K. S. (Ed). *Recent advances in Microbial, Agricultural and Environmental Biotechnology* (2020-I, 1-8). Karnataka (India): INSC PUBLISHING HOUSE (IPH).
2. Aithal S.C. and Kakde P.R. Essentials of Agricultural Microbiology, Himalaya Publishing House [Accepted for publication].

Conferences/Research Festivals:

- Participated and won First prize in the 3rd one day State level seminar and SAM Poster Competition SAM PO-CO (2015) organized by Students Association in Microbiology (SAM) at DSM College, on 27th Jan., 2015.
- Participated and Won First Prize at district level Research Festival Avishkar-2015 organized by SRTMUN at B. Raghunath College, Parbhani on 3rd Oct., 2015.
- Participated and Won Second Prize at University Research Festival Avishkar-2015 organized by SRTMUN and Nutan Mahavidyalaya, Selu, Parbhani on 30th and 31st Dec., 2015.
- Participated and Presented Research project at PG level On 10th Maharashtra State level Inter University Research convention “Avishkar-2015” organized by SSPU, Pune.
- Participated and stood first on presenting poster during ‘one day district Level Research Festival AVISHKAR’ organized by Late Sow. Kamlatai Jamkar Mahila Mahavidyalaya, Parbhani in collaboration with SRTMUN on 17th Dec., 2018.
- Presented poster during ‘Two days University Level Research Festival AVISHKAR’ organized by Late Sow. Kamlatai Jamkar Mahila Mahavidyalaya, Parbhani in collaboration with SRTMUN on 26th and 27th Dec., 2018.
- Presented digital poster in the AMI 2018 conference organized from 9th-12th December 2018 by School of Life Sciences, University of Hyderabad, Hyderabad, Telangana, India.
- Presented poster in one day national conference on “Innovative Research in Science and Technology” organized by R. B. Attal College, Georai, Beed on 16th, Feb., 2019.
- Participated in the two days national conference on “Recent Trends in Microbial Technology” organized by Department of Microbiology, Dr. Babasaheb Ambedkar Marathwada University Sub-campus, Osmanabad during 11th and 12th March, 2019.

- Presented poster in one day national conference on “Emerging Trends and Challenges in Biosciences” organized by R. B. Attal College, Georai, Beed on 11th August, 2019.
- Presented Paper in the National Conference ‘Current Trends in Chemical Research and Technology (NCCTCRT-2020) organized by Dept. of Chemistry and Analytical Chemistry, Shri Shivaji College, Parbhani 431 401 on 22nd Feb., 2020.
- Presented Paper at 62nd Annual International Conference of the Association of Microbiologists of India (AMI) conducted by University of Mysore on 21st to 23rd September 2023.
- Presented Paper at 108th The Indian Science Congress Association (ISCA) held at Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur from January 3 to 7, 2023.

Faculty Development Programs (FDPs):

- Completed One Week National Online Faculty Development Program on ICT Tools for Effective Teaching Learning, from 11th to 16th May 2020, organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
- Participated in the One Week Online Multi-Disciplinary Faculty Development Programme on “MOOCs, E-Content Development and OER” from 28th May to 3rd June 2020 organized by Govt. First Grade College, Hungund, Karnataka.
- Completed One Week Faculty Development Programme on "Modern Teaching, Evaluation And Research Methods" under UGC Scheme, STRIDE Component-I (Research Capacity Building) organized by Vinayakrao Patil Mahavidyalaya, Vaijapur, Dist. Aurangabad, from June 02 to June 07, 2020.
- Attended Two-day International Virtual FDP on “Innovative Techniques for Effective Teaching Online and Offline” organized by Mahatma Gandhi Institute of Technology, Hyderabad on 12-13 June, 2020.
- Participated in the National Level “One Week FDP on "Latex & Xfig "from 15th June to 19th June, 2020, organized by Department of MCA, Calcutta Institute of Technology, Howrah, West Bengal.
- Participated in One Week Online Faculty Development Programme on L^AT_EX during June 15–21, 2020 organized by Dept. of Mathematics, Vinayakrao Patil Mahavidyalaya, Vaijapur.
- Completed five days Faculty Development Program on "ICT Based Teaching and Learning Process" organized by RCP, Roorkee, from 1st to 5th July, 2020.
- Attended Five Day FDP on Innovative Teaching Learning Methodologies conducted by Coimbatore Institute of Technology-Teaching Learning Centre from 06 to 10 July 2020.
- Completed One Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation, from 1st July to 6th July 2020, organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
- Participated in National Level online FDP on “E-resources for Teaching, Learning, Research and IPR” Jointly Organized by Department of Library & FDP Cell, MIT College, Pune on 10th and 11th July 2020.
- Participated in the UGC (Paramarsh) Online FDP on “ICT in Teaching & Evaluation” organized by MSP Mandal’s Shri Shivaji College, Parbhani (Maharashtra) during 13 July 2020 to 18 July 2020.

- Successfully completed online Interdisciplinary "one week certificate Course on Bio Informatics" organized by PG Department Of Zoology, Arulmigu Palaniandavar Arts College For Women, Palani from 25.07.2020 to 30.07.2020.

Workshops/Trainings:

- Attended “two days examination oriented Workshop” organized at B. Raghunath College, Parbhani during 12th and 13th March, 2012.
- Attended One day regional Workshop on ‘Research Paper Writing & Presentation Skill’ sponsored by SRTMUN at NES Science College, Nanded on 17th Sept., 2014.
- Participated in the one day workshop on “Listening Skills” organized by Students Association in Microbiology (SAM) at DSM College, on 25th Aug., 2015.
- Attended two day workshop on “Techniques in Molecular Biology” on 8th-9th Feb., 2017 at DSM College, Parbhani.
- Participated in three days training programme on “Techniques in Food Microbiology and Safety” organized at Dept. of Veterinary Public Health and Epidemiology, College of Veterinary and Animal Sciences, Parbhani on 5th-7th Sept., 2018.
- Participated and won merit at two days training on ‘Basic techniques in Molecular biology’ held at NES Science College, Nanded on 10-11 Jan. 2019 organized by ECell IIT Kharagpur.
- Attended one day workshop on Intellectual Property Rights (IPR) Awareness for teachers organized by SRTMUN at DSM College on 18th Feb., 2019.
- Participated in the one day National workshop on the scope of revised CBCS curriculum of the B.Sc. I year Microbiology organized by Dept. of Microbiology, Dayanand Science College, Latur on 24th July 2019.
- Participated in A Two Day National Level Workshop on E-Content Development for Effective Teaching and Learning organized by the Dnyanopasak Shikshan Mandal's College of Arts Commerce & Science, Parbhani on 1st-2nd February 2020.
- Completed one day National Online Workshop entitled "Effective Online Teaching–Learning Using Google Forms" on 5th August 2020, organized under the aegis of Internal Quality Assurance Cell of Mahanth Madhusudan College, Bikram, Patna.
- Participated into the one day workshop on “Scientific Writing and Presentation” organised by IQAC and Department of Microbiology, Kankavli College, Kankavli held on 06 May, 2020.
- Participated in One Week International e-Workshop on Language Translation Skills, organized by, Higher Education Department (H. E. D), Govt. of Jammu and Kashmir (UT), in collaboration with National Translation Mission (N.T.M), Central Institute of Indian Languages, Mysuru, Govt. of India held from August 08 to 12, 2020.
- Participated in 1-Day online workshop on “Video Content Generation” organized by IQAC, COCSIT, Latur, on 13th June 2020.
- Completed two days National Level Workshop on “Stress Management during Covid-19 outbreak”, from 14th May to 15th May, 2020 organized by Students’ Development Department, Swami Ramanand Teerth Marathwada University, Nanded.
- Participated in the National Workshop (Teacher Training Programme) on “Utilising Digital Resources for E-Content Development and Designing” held on 16th & 17th July, 2020 organized by IQAC, Karmaveer Bhausahab Hiray Arts, Science & Commerce College, Nimgaon, Nashik.

- Participated in the Online Short Term Training Programme (STTP) on "MATLAB and MATHEMATICA for Scientific Research" organised by the Department of Mathematics, Arul Anandar College, Karumathur, Madurai from 27.07.2020 to 29.07.2020.
- Completed the 5-day workshop on 'Creating Dynamic Dashboards' conducted by Skill nation during 4th to 9th January, 2022.
- Participated in "Two days national level hands-on training on HPTLC Technique" organized by Dept. of Botany, Microbiology and Biotechnology, N.E.S. Science College, Nanded in Collaboration with Anchrom Ent. (I) Pvt. Ltd., Mumbai on February 7th and 8th, 2023.

Seminars/Webinars/Contests:

- Actively participated and awarded with third prize in SAM humors contest organized by Students Association in Microbiology (SAM), DSM College on 15th Sept., 2012.
- Participated and secured Second Prize in 12th State level Microbiological contest organized by R.C. Patel College, Shirpur on 27th Jan., 2013.
- Participated and qualified the screening test of 12th State level Microbiological contest organized by R.C. Patel College, Shirpur on 11th Jan., 2013.
- Participated and qualified 13th State level Microbiological contest organized by R.C. Patel College, Shirpur on 16th Jan., 2014.
- Participated in the 2nd One day State level seminar and SAM Poster Competition (2014) organized by Students Association in Microbiology (SAM) at DSM College, on 27.01.2014.
- Worked as organizing committee member of 4th State level SAM Poster Competition and seminar organized by Students Association in Microbiology at DSM College, on 27.01.2016.
- Participated in the 6th State level SAM Poster Competition (PO-CO) and seminar on "Bioenergy" organized by Students Association in Microbiology at DSM College, on 27th Jan., 2018.
- Actively involved as Resource Person in the 18th State level Microbiological contest and Microbiolympiad held at DSM College, Parbhani and organized by RCP College, Shirpur on 9th January, 2019.
- Participated in the 7th State level SAM Poster Competition (PO-CO) and seminar on "Genetically Modified Organisms (GMO)" organized by Students Association in Microbiology at DSM College, on 26th Jan., 2019.
- Participated in a National webinar on "Diagnostic & Vaccine Strategies for COVID-19" on 7th June, 2020 organized by Department of Biotechnology & Food Processing Technology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, MH.
- Participated in One Day National Webinar on "Research Methodology" Organized by Research Center Political Science & Economics, Yeshwantrao Chavan College, Ambajogai, Dist. Beed on 15th June 2020.
- Participated in a Webinar on Mastering the Art of Communication' organized by Department of Engineering, ARKA Jain University, Jamshedpur (Jharkhand) on June 06, 2020.
- Attended International webinar entitled "Drug Discovery – New Lead from Old Drugs" on 06-Jun-2020 organized by Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Ramaiah University of Applied Sciences, Bengaluru, Karnataka, India.

- Participated in one day national level webinar on Digital Era in Indian Higher Education jointly organized by the Internal Quality Assurance Cells (IQAC) of Shri Shivaji College, Parbhani and Shivaji College, Hingoli on 12th June 2020.
- Participated in One Day National-Webinar on “Strategies of Research in the Changing Landscape of The Education System”, held on June 16, 2020 and organized by the Institute of Education, Bundelkhand University, Jhansi (U.P.).
- Participated in AWSAR (Augmenting Writing Skills for Articulating Research) webinar on Popular Science Writing on 25 June 2020 organized by the Department of Science and Technology (DST), Government of India and Vigyan Prasar (VP) in collaboration with University of Jammu.
- Participated in online webinar on NET, SET and GATE Examination organized by Department of Microbiology of C.K.Thakur ACS College, New Panvel on 10 may 2020.
- Participated in one day National Webinar on “The Lonar Crater” organized by Dept. of Zoology of Late Ku. Durga K. Banmeru Science College, Lonar, Buldana on 27.06.2020.
- Attended the National Webinar on “India towards Atmanirbhar Bharat: Challenges & Opportunities” Organized by Mahila Vidyalaya Degree College, Lucknow On Saturday, 6th June 2020.
- Participated in one day Interdisciplinary National Level Webinar on ‘Environmental Resource Management In Quest Of Sustainability & Biodiversity’ organized by Departments of Zoology, Botany & Microbiology, Santaji Mahavidyalaya, Nagpur on 5th June, 2020.
- Participated as attendee in the four lecture webinar series from June 1-4, 2020 on Perspectives and Prospects of ‘OMICS’ approaches in health and disease organized by Panjab University, Chandigarh.

M.Sc. Dissertations Supervised as Co-Guide:

Sr. no.	Name of Student	Topic	Year of passing
1.	Ghansawant Sneha Dinkar	Use of agricultural wastes for the Production of Cellulases from <i>Aspergillus niger</i>	2018
2.	Shinde Sneha Vilas	Isolation, Cultivation and optimization of <i>Aspergillus niger</i> on Agricultural wastes	2018
3.	Kundikar Shruti	Isolation and screening of various cellulolytic fungi	2019
4.	Swami Shraddha Subhash	Solid State Fermentation of agricultural lignocellulosic biomass for fungal cellulase production	2019
5.	Mr. Sayyed Vaseem	Production of cellulase using agricultural waste from <i>Trichoderma viride</i> and <i>Trichoderma longibrachiatum</i> and effect of different solvents on cellulase activity	2020
6.	Matra Sejal Govind	Supplementations for <i>Trichoderma</i> species to enhance cellulase production using various agricultural biomass	2020
7.	Giram Shital K.	Effect of pre-treatment on various agricultural biomasses for cellulase production using <i>Trichoderma</i> species	2020
8.	Priyanka Shinde Sakharam	Evolution of temperature and incubation for the production of cellulose by <i>Trichoderma viride</i> using banana peels	2021
9.	Kulkarni Renuka Kishorrao	Optimization of temperature and incubation for enhanced cellulase production by <i>Trichoderma viride</i> using sugarcane bagasse	2021

10.	Arti Laxman Navle	Production off cellulase enzyme through Solid State Fermentation using banana peels by <i>Trichoderma harzianum</i>	2021
11.	Phulari Aishwarya Balasaheb	A study on utilisation of agricultural wastes in Maharashtra: A Review	2021
12.	Pawar Shivani Gulabrao	Utilisation of agro-residues for production of industrial products: A review	2021
13.	Joshi Aniket Padmakar	Production and valorization of groundnut shell and sugarcane by-products in India: A review	2021
14.	Sonwane Rohit Sanjay	The present status of biomass-based energy in India: A Review	2021
15.	Lipne Ankita Balabhau	Comparative study of H ⁺ on cellulase production by <i>Trichoderma viride</i> on sugarcane bagasse and tur stalk	2021
16.	Renge Vaishali Vilasrao	Effect of various extraction solvents on cellulase production using sugarcane bagasse be <i>Trichoderma harzianum</i> and <i>Trichoderma viride</i>	2021
17.	Jana Sakharam Mohite	Optimization of initial pH for Carboxymethyl cellulase production by <i>T. viride</i> using corn and groundnut shells	2021
18.	Swati Vithalrao Deshmukh	Effect of extraction solvent on endoglucanase production by <i>Trichoderma viride</i> on groundnut shell and corn cobs	2021
19.	Kale Sumedha Bharat	Process optimization of cellulase production by <i>Trichoderma harzianum</i> using sugarcane bagasse	2021
20.	Kadam Supriya Laxmanrao	Agricultural residues for cellulase production by <i>Trichoderma harzianum</i>	2021
21.	Gautam Shamli Santosh	Cellulase enzyme activity off <i>Trichoderma harzianum</i> at on groundnut shell at different temperature and incubation period	2021
22.	Bobde Poorva Annasaheb	Production of cellulolytic enzyme by <i>Trichoderma viride</i> by utilising Agricultural Waste	2021
23.	Anita Shinde Namdeorao	Cellulase enzyme production using <i>Tur</i> waste as substrate by <i>Trichoderma harzianum</i>	2021
24.	Pande Shirrang	Study on lipase activity by haloalkaliphillic bacteria isolated from Lonar Lake	2022
25.	Mundhe Pratiksha	Study on cellulase activity of <i>Trichoderma harzianum</i> with respect to incubation time	2022
26.	Lonikar Rucha	Effect of initial pH on Cellulase activity by <i>Trichoderma viride</i> using groundnut shell as substrate	2022
27.	Kolhe Pradyumna	Influence of different physico-chemical parameters on the production of cellulase	2022
28.	Ikkar Dnyaneshwar	Effect of temperature on cellulase activity by <i>Trichoderma harzianum</i> on sugarcane bagasse	2022
29.	Chavan Yuvraj	A review on Present status of Solid State Fermentation in India	2022
30.	Jadhav Vinaya	Microbial cellulase enzymes: From bioactivity to a variety of industrial applications	2022
31.	Borkar Shailesh	Microbiology and risk factors associated with Indian Street Foods	2022
32.	Deshmukh Sakshi Nitinrao	A study on immobilization and characterization of endoglucanase from <i>Trichoderma viride</i>	2022
33.	Gore Dipali Dnyanoba	Production of L-Asparaginase from <i>Trichoderma viride</i> under Solid State Fermentation	2022
34.	Kale Pooja Ganesh	Monitoring of dry heat sterilization using <i>Bacillus atrophaeus</i> spores as biological indicator	2022

Co-curricular Activities:

- Participated ‘General Chemistry Knowledge Examination’ on account of International Year of Chemistry (IYC) 2011.
- Participated in an intercollege level Essay competition on the occasion of Birth Anniversary of Yashwantrao Chavan during 2012.
- Published an article in the Department wall magazine “Articles Regarding Microbiological Studies” (A.R.M.S.) organized by Students Association in Microbiology (SAM), DSM College on 6th August, 2012.
- Participated and awarded with first prize for bacterial staining drawing competition organized as a part of Annual event by Students Association in Microbiology (SAM), DSM College on 30th Sept., 2012.
- Participated in “*Gandhi Vichaar Sanskaar Pariksha*” organized by Gandhi Research Foundation, Jalgaon, at DSM College, Parbhani.
- Attended “The way to happiness common sense values” program organized by Students Association in Microbiology (SAM), DSM College on 31st Dec., 2012.
- Attended the state level debate “Natural Disasters truly natural or manmade 2012” organized by SAM Microbiology, DSM College, Parbhani and Microbiologists Society India on 26.01.2012.
- Participated in Entrepreneurship Awareness Programme conducted at DSM College under sponsorship of Dept. of Science and Technology, Govt. of India, New Delhi and EDII Ahmedabad during 5th to 7th March, 2013.
- Participated in the Creative Exhibition ‘Best out of Waste’ organized by Students Association in Microbiology (SAM) at DSM College, on 2nd March, 2014
- Participated in Reading and Writing (RAW) SAM Star activity and awarded for best article organized by Students Association in Microbiology at DSM College, during April 2015.
- Participated in the International online quiz on the occasion of "World Environment Day, 5th June, 2020 organized by H.A.L. College, Nashik.
- Participated in Awareness Campaign on COVID-19 organised by Collector Office, Chandrapur & Z.P. Chandrapur on 06/05/2020.
- Participated in “COVID-19 Pandemic Awareness Campaign” organized by Department of Computer Science, DSM College, Parbhani on 06/05/2020.
- Pledged and participated in Online ‘COVID-19 Social Awareness Program’ organised by the Department of Extension Education, Vasanttrao Naik Marathwada Krishi Vidyapeeth, Parbhani on 05/06/2020.
- Participated and qualified the Inter- Collegiate "Fundamentals of Microbiology" quiz organized by the Department of Microbiology, Lords Universal College, Mumbai conducted on 11-6-2020.
- Participated in “COVID-19 Pandemic General Awareness Quiz” Organized by STES’s Sinhgad Institute of Management and Computer Application, Pune on 05/06/2020.
- Participated in General Awareness Quiz on COVID-19 dated 5/6/2020 organized by Department of Youth Welfare, Guru Kashi University.
- Successfully qualified Quiz cum Awareness Program on COVID-19 organized by Department of Mathematics, Manyavar Kanshiram Govt. Degree College, Ninowa, Farrukhabad (U.P.) on 04-06-2020.

- Worked as a translator in NPTEL translation program for translating the lecture series of course ‘Biostatistics and Design of experiments’ offered by IITM as certified on 31.03.2022.
- Wrote an article entitled “The social dilemma” in ‘*Mitangan*’ magazine during August 2022.

Certification Courses:

- Successfully completed 8 week NPTEL course “Biostatistics and Design of Experiments” course organized by IIT, Madras during Aug-Oct 2018.
- Awarded with Silver certification in 4 week NPTEL course “Introduction to Professional Scientific Communication” conducted by IIT Kanpur during Jan-Feb 2019.
- Awarded with Gold certification in 8 week NPTEL course “Developing Soft skills and Personality” conducted by IIT Kanpur during Aug-Oct 2019.
- Completed 12 week NPTEL online course “Applied Environmental Microbiology” conducted by IIT Roorkee during Jan-Apr 2020.