

CURRICULUM VITAE

Name : Dr. PRASHANT SHRIDHAR WAKTE

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Mailing Address : Department of Microbiology,
Dnyanopasak College,
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Parbhani - 431 401
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Date of Birth : 27th October 1966

Designation : Professor and Head

Date of appointment : 15th July 1988.

Qualification : M.Sc., M.Phil., Ph.D., L.L.B.

Subject : Microbiology.

Area of specialization : Environmental Microbiology

Pay Scale : Rs. 37400- 67000 Rs. 10,000/- AL 14

Sex : Male



Academic Record:

Name of Degree	University/Board	Year of Passing	Percentage	Class
B.Sc. Microbiology	Marathwada University, Aurangabad	May, 1986	56.50 %	II
M.Sc. Microbiology	Marathwada University, Aurangabad	June, 1988	58.00 %	II (Merit IV)
M.Phil.	Gujarat University, Ahmadabad.	Sept, 1995	72.20 %	I with Dist.
MS- CIT	Maharashtra State Board of Technical Education	April, 2019	73.00%	I
Ph. D*	S.R.T. Marathwada, University, Nanded.	July, 2003		
L.L.B.	Dr. B.A.M.U. Aurangabad.	June, 1993.		II

**Thesis entitled:*

"Development of bioextraction process for copper from Chitradurga Chalcopyrite Concentrate."

- **THIRTY FIVE** years teaching experience at UG and **THIRTY TWO** at PG level in Dnyanopasak College of Arts, Commerce and Science, Parbhani.
- Approved Ph.D. guide for subject of Microbiology by S.R.T.M. University, Nanded (M.S.)

Research Experience:

- Worked as Teacher Fellow under guidance of Dr. S. R. Dave at Gujarat University, Ahmadabad. From 16 August 1994 to 14 August 1995.

Specific Research Interests:

- Concentrate bioleaching.
- Cyanobacterial biotechnology

Award Received:

- UGC Teachers Fellowship Award under Eighth plan for doing M.Phil. (One year)

Research Projects:

I) "Bioextraction of copper from chalcopyrite concentrate by acidophilic consortium".

A minor research project funded Rs. 22, 000/- by UGC, New Delhi Completed during 1996 to 98.

II) "Studies on isolation, morphological and nutritional characterization of Spirulina spp. from alkaline extreme environment." A minor research project SRTMU FUNDS, Rs.55000/- Completed during APRIL 2009 TO MARCH 2011

Research Guidance:

I) PhD.

Name of Students	Title	Year of Registration	Status
1. Yuvraj S. Mohite	"Improvement of C- Phycocyanin production by <i>Spirulina sp.</i> from basaltic meteoritic crater".	2013	Awarded
2. Deepak U. Bhusare	"Optimisation and Characterization of Protease by <i>Bacillus sp.</i> isolated from hot sulfur spring of Unkeshwar".	2013	Awarded
3.Amit D. Kulkarni	"Development of Microphos by Using Alkaliphilic Actinomycetes as Efficient Bioinoculant"	2014	Awarded
4.Gitanjali Kamble	"Augmentation of Chickpea Productivity In Saline Soils Through Mesorhizobium Isolates"	2016	Final synopsis submitted
5. Sukhdev Y Rathod	" Studies On Phosphate Solubilizing Halophilic Bacteria As Improved Bioconditioner For Agriculture Soil".	2016	Work in progress
6. Nilesh Gaikwad	"Bio-processing of E Waste Using Developed Chemolithotrophic isolate from pyrite mine"	2019	Work in progress

II) M.Phil

Sr. No	Name of Students	Title	Year	Status
1	Rathod S.Y	Studies on philological <i>Azotobacter</i> sp. from hyper saline habitat.	2009	Awarded

Publications:

1. Dave, S.R., **Wakte, P.S.**, Menon, A.G. and Vora, S. B. (1995) "Metal Solubilization from the Polymetallic G.M.D.C. Concentrate By Bioleaching" International Biohydrometallurgy Symposium IBS 95 Proceedings*, CHILE vol I pp 301-310.
2. Md. Babar and **Wakte, P.S.** (2006) " Geoenvironmental and Microecological Characteristics of Lonar Lake, Maharashtra" In 'Ecology of Lakes and Reservoirs' ed. by Sakhare V.B., Daya Publishing House, New Delhi, pp 111-124. ISBN No:81-7035-450-1.
3. **Wakte, P.S.** and Dave, S.R.(2007) "Use of Amyl Alcohol For Control Of Acid Rock Drainage (ARD) In Mining Environment" In, 'Environmental Changes and Natural Disasters' ed. by Md. Babar, New India Publishing Agency, New Delhi, pp 83-89. ISBN 81-89422-75-8
4. Md. Babar and **Wakte, P.S.** (2007) " Environmental Characteristics of Lonar Lake With Reference to Geological and Microbial Attributes" In, 'Environmental Changes and Natural Disasters' ed. by Md. Babar, New India Publishing Agency, New Delhi, pp 99-109. ISBN 81-89422-75-8
5. **Wakte, P.S.** and Kagne, S.R. (2007) "Incidences of Enteropathogenic Bacteria in Ice- cream In Parbhani City of Maharashtra (India)" J. Microbial World. **9(2)**, pp 259-262. ISSN 0972-1487
6. Muralidhara Reddy, V. and **Wakte, P.S.**(2007) " Impact of Lonar lake water and N,P K as additional growth medium supplements' on *Spirulina* Sp." Nat. J. of Life Sci. **4(2)**, pp. 159-164. ISSN 0972-995x
7. Raut, L.S., Rakh, R.R., **Wakte, P.S.** and Manwar, A.V. (2008) " Screening of siderophore producing organism from Rhizospheric soil" J. Microbial World. **10(1)**, pp. 96-101. ISSN 0972-1487
8. Mohite, Y.S. and **Wakte, P.S.** (2008) "Effect of various growth elements on the morphological variations of *Spirulina platensis* isolated from halo-alkaline habitat "Proc. Internatl. Conf. Biodiv. Conserv. & Mgt. pp. 361-363.
9. Aithal, S.C., Sirdeshpande, P.S. and **Wakte, P.S.** (2009) "Empirical study describing effect of different parameters on Nisin production and its biological activity " Life Science Bulletin, **6(1)**, pp. 119-123. ISSN 0973-5453
10. Tale, V.S., Pawar, V.N. and **Wakte, P.S.** (2009) "Studies on pullulan fermentation optimization using *Aureobasidium pullulans*" Bionano Frontier **2(1)** , pp. 22-25. ISSN 0974-0678
11. Kharwade, A.R., Nalwade, V.M., and **Wakte, P.S.** (2009) "Nutritional and Microbial Quality of Street Foods" Bionano Frontier **2(2)**, pp. 31-34. ISSN 0974-0678
12. **Wakte, P.S.** and Deshpande, A.A. (2009) "Characterization and most probable number determination of pesticide degraders from agricultural fields." J. Microbial World. **11(2)**, pp. 128-132. ISSN 0972-1487
13. **Wakte, P.S.** and Mohite, Y.S. (2009) "Biotechnological potentials of *Arthrospira* (*Spirulina*) *Platensis* isolated from Lonar Crater Lake" Proc. Lonar Crater: Conserv. & Mgt. conf.-2009 pp. 39-40.
14. Modak, S.V., Biradar, S.D. & **Wakte, P.S.** (2009) "Antifungal Potentiality Of *Cassia fistula* And *Butea monosperma* Solvent Extracts Against Some Fungi", Proc. Of National Conference On Biodiversity, Sustainable Development & Human Welfare-2009 pp.272-277.
15. Mohite, Y.S. and **Wakte, P.S.** (2011) "Photosynthesis, Growth and Cell Composition of *Spirulina platensis* (*Arthrospira*) Under Elevated Atmospheric CO₂ and Nitrogen Supplement. " J. Algal Biomass Utln. **2(1)**, pp. 77-94. ISSN: 2229 – 6905
16. **Wakte, P.S.** and Bhusare, D.U. (2011) "Statistical assessment of stability and compatibility of protease extracted from thermo tolerant *Bacillus licheniformis* BWU-1. " Curr. Bot. **(2)1**, pp 34-38. Online ISSN: 2220-4822

17. Bhusare, D.U. and **Wakte, P.S.** (2011) "Microbiological and physiological attributes of hot water sulphur spring of Unkeshwar." *Journal of Experimental sciences* (2)4, pp. 04-06. Online **ISSN: 2218-1768**
18. Mohite, Y.S. and **Wakte, P.S.** (2011) "Assessment of Factors Influencing Growth and C-Phycocyanin Production of *Arthrospira platensis* from Meteoritic Crater Lake "J. *Algal Biomass Utln.* 2(2), pp. 53-68. **ISSN: 2229 – 6905**
19. **Wakte, P.S.**, Mohite, Y.S. & Bhusare, D.U. (2011) "Influence Of Metal ions on Growth and C-Phycocyanin Production in *Arthrospira (Spirulina) platensis*", *Recent Research in Science and Technology.* 3(5) pp. 104-108. **ISSN: 2076-5061**
20. Mohite,Y.S., Kadtan,K. & **Wakte,P.S.**(2011) "Antimicrobial Potential of *Syzygium cumini L*" *Journal of Pharmacy Research*1,4(8)pp2784-2786 **ISSN: 0974-6943**
21. Wakte, P.S., Bhusare, D.U.,Kulkarni, S.S.,& V.L.Deshmukh. (2011). "Assessment of Physico-chemical Parameters on Synthesis of Protease by *BACILLUS LICHENIFORMIS* BWU-1 Isolated From Hot Sulfur Spring of Unkeshwar" *Recent Research in Science and Technology.*3(5) pp. 42-49. **ISSN: 2076-5061**
22. Bhusare, D.U. and **Wakte, P.S.**(2011) "Purification of alkaline protease from thermotolerant *Bacillus licheniformis* BMU-1" In, "Advances in Biotech Research" Proc. of International Conference on BTBT2011, AURANGABAD (M.S.)INDIA (ed by A.M DESHMUKH et al) pp.268-278 **ISBN No:978-93-80876-04-7**
23. Bhusare, D.U. and **Wakte, P.S.**(2012) "Scale Up of Alkaline Protease By Thermotolerant *B. licheniformis* Jx849145 using Bioreactor and its application" In, "Recent Trends and Future Prospectus In Life Science" Proc. of National Conference , Ahmedpur, Latur(ed by R.M. Kadam) pp.128-133 **ISBN No. 978-81-924894-03-8**
24. **Wakte, P.S.** and Bhusare, D.U. (2013) "Micro-Ecological and Biochemical Aspects of Thermal Spring" In, "Advances in Environmental Science" Eds by M. Musaddiq et-al Oxford Book Company, Jaipur pp.247-253 **ISBN No. : 978-93-5030-155-5**
25. Bhusare, D.U. and **Wakte, P.S.**(2013) "Statistical Optimization of Alkaline Protease Production by Immobilized Therm o tolerant *B. licheniformis* BWU-1 using Response Surface Methodology" In, "Agro Biotechnology for Sustainable Development" eds by Wakte, Hamde, Jawalikar Oxford Book Company, Jaipur pp. 21-30 **ISBN No.:978-93-5030-154-8.**
26. Syed, Sajeed Ali and **Wakte, P.S.** (2016) "Biofilm Formation and Siderophore Production by *Pseudomonas aeruginosa* Isolated from Wounds Infection" In, *International Journal of New Technology and Research.* (2)9, pp 20-23 (Online) **ISSN: 2454-4116.**
27. Syed Sajeed Ali and **Wakte, P.S.** (2016) "Isolation and Identification of biofilm forming *Pseudomonas aeruginosa* from wounds infection" In, *International Journal of Current Research.* (8)9, pp 38974-38977 (Online) **ISSN: 0975-833X.**
28. **Wakte, P.S.** and Kulkarni A.D. (2017) "Physiologically Diverse Haloalkalophilic Actinomycetes And Their Screening in Lonar Crater: A Review" In, *Biodiversity Conservation And Protection* Eds by Dr. Sandhya Kadam , lightning Source USA pp 118-128 **ISBN No. 37000066450.**
29. **Joshi V, Shah N, Wakte P, Dhakephalkar P, Dhakephalkar A, Khobragade R, Naphade B, Shaikh S, Deshmukh A, Adhapure N.(2017)** "Comparative bioleaching of metals from pulverized and non-pulverized PCB s of cell phone charger: advantages of non-pulverized PCB s" In, *Environ Sci Pollut Res Int.* 2017 Dec;24(36):28277-28286. doi: 10.1007/s11356-017-0780-x.
30. Kore K.J. & **Wakte P.S.** (2018) "Pharmaceuticals Bioactive Compounds from *Spirulina* sp. a Review" In, *World Journal of Pharmaceutical Research.* (7)1, pp 1610-1616 DOI: 10.20959/wjpr20181-10638 **ISSN: 2277-7105**
31. Geetanjali Kamble, G. K. Giri, Ashwini, M. Charpe & **P.S. Wakte (2019)** "Effect Of Nitrogen Doses With *Rhizobium* Seed Inoculation On Nodulation And Grain Yield Of Chickpea" In, *Multilogic In Science* Vol. (Viii), Special Issue A pp 169-170 **ISSN 2277-7601**
32. A. D. Kulkarni & **P.S.Wakte (2021)** " Development of Microphos technology by using alkaliphilic actinomycetes from the soil of Lonar lake" In, *Journal of Pharmacognosy and Phytochemistry* 10(6), pp 338-342 **ISSN-2389-8234**
33. Nilesh S. Gaikwad, **P.S.Wakte & R.A.Joshi (2022)** "Enrichment of Chemolithotrophic Iron Oxidizer's from Mine Sites Samples and its Adaptation in Pulverized E Waste Sample of PCB s" In, *Ajanta* 9(1) pp 1-8 **ISSN- 2277-5730**

34. A. D. Kulkarni , **P.S.Wakte** & Patait A.P. (2022) "Isolation and characterization of Phosphate Solubilizing Alkaliphilic Actinomycetes from the Alkaline Habitat of Lonar lake and their Potential Role for Sustainable Agriculture" In, *Ajanta* 9(1) pp 36-48 ISSN- 2277-5730
35. Kamble Geetanjali A., **P.S.Wakte**, R.P. Singh & G. K. Giri (2022) " Evaluation of *Mesorhizobium ciceri* from saline soil on nodulation and grain yield of chickpea" In, *The Pharma Innovation Journal* 11(12),pp 6209-6212 ISSN 2349-8242
36. Kamble Geetanjali A., **P.S.Wakte**, S.D. Jadhao & G. K. Giri (2023) " Nutrient uptake and grain yield of chickpea inoculated with *Mesorhizobium ciceri* of saline soil" In, *Biological Forum* 15(2): 15-19 ISSN 0975-1130

Books Published

1. **Air Microbiology-An Environment and Health Perspective (2010)** Cinnamon Teal Print and Publishing, Dogears Print Media Pvt. Ltd.,
ISBN No: 978- 93-80151-30-4 (Hard Bound edition -241 pages).
www.dnyanopasak.org.in (Recommended to B.Sc. II sem. Syllabus, by SRTMU, Demanded).
2. **Advances in Biotech Research (2011)**
Madhuraj Printers & Publishing Pvt. Ltd., Pune
ISBN No: 978-93-80876-04-7 (Co editor) pp 388.
(Proceeding of International Conference on BTBT-2011 held at Aurangabad during 6 to 9 Feb 2011)
3. **Agro-biotechnology for Sustainable Development (2013)**
Oxford Book Company, Jaipur
ISBN No. 978-93-5030-154-8 (editor) pp -199.
4. **Current Research in Biochemistry and Microbiology (2015)**
Oxford Book Company, Jaipur
ISBN No.978-93-5030-212-5 (editor) pp -245.
5. **Manual of Methods for Pure Culture Study (2015)**
Nirmal Publication (India), Delhi
ISBN No 978-93-85961-06-9 (author) pp -302.
6. **Microbial Technology of TCA (2016)**
Publisher: Lap Lambert Germany
ISBN: 9783330002074 (author) pp
7. **Handbook of Online and Open Distance Learning Education System (2019)**
Crescent Publishing Cooperation, New Delhi
ISBN No. 978-93-87537-27-9 (author) pp -180.

Research Communication / Paper Presentation

1. Dave, S.R., **Wakte P.S.**, Menon, A.G. & Vora S.B... "Metal Solubilization From The Polymetallic G.M.D.C. Concentrate By Bioleaching" *IBS 95, CHILE Nov 19-22, 1995.*
2. **Wakte, P.S.**, Menon, A. G. and Dave, S. R. (1995) Biooxidation profile of GMDC polymetallic concentrate by individual *Thiobacillus ferrooxidans* and their combination, 36 Annual Conference of AMI, Dept. of Microbiology, CCSHAU, Hissar.
3. Menon, A. G., **Wakte, P. S.**, Vora, S. B. and Dave, S. R. (1995) Influence of metal adaptive *Thiobacillus ferrooxidans* on bioleaching studies of GMDC concentrate, 36 Annual Conference of AMI, Dept. of Microbiology, CCSHAU, Hissar.
4. **Wakte P.S.**, Dave, S.R., Iron oxidation behavior of T. Ferrooxidans strains in presence of pregnant solution from GMDC concentrate, National Seminar on Biotechnology for Rural and Industrial Development, Centre for Biotechnology, Gulbarga University, Gulbarga
5. Shiva C. Aithal., D. N. Kulkarni and **P.S.Wakte** (1997) "Comparative Studies on pH, Temperature and Metal Ion Profiles of Fungal Amylases of CSH-9 Origin". National Symposium on Recent Trends in Biotechnology of Yeasts and Fungi. Conducted at School of Life Sciences, North Maharashtra University Jalgaon - 425001, 13-14, March 1997.
6. Shiva C. Aithal., D. N. Kulkarni and **P.S. Wakte** (1997) "Utilization of CSH-9 Sorghum as a Source of Starch for Alcohol Production". National Symposium on Recent Trends in Biotechnology of Yeasts and Fungi. conducted at School of Life Sciences, North Maharashtra University Jalgaon-425001, 13-14, March 1997.

7. Shiva C. Aithal., D. N. Kulkarni and **P.S. Wakte** (1997) "Influence of Deproteinised Juice (DPJ) Supplementation on *Aspergillus oryzae* Growing on CSH-9 Sorghum Starch for α - Amylase Production". 38th Annual Conference of the Association of Microbiologists of India" for Microbes in Sustainable Development Held in Jamia Millia Islamia New Delhi-110025, 12-14 December, 1997.
8. **Wakte P. S.** and Dave, S.R. (1997) Influence of 9 K medium on Iron oxidation rate of *T. ferroxidans* consortium in leachate of polymetallic GMDC concentrate 38th Annual Conference of the Association of Microbiologists of India" for Microbes in Sustainable Development Held in Jamia Millia Islamia New Delhi-110025,12-14,December,1997.
9. Shiva C. Aithal., M.Gopikrishna. P.S. Wakte and D. N. Kulkarni (1998) "A Comparative Study of Growth and Ethanol Production by *Saccharomyces cerevisiae* using Hybrid Sorghum as a substrate". Diamond Jubilee Symposia and 39th Annual Conference held by Association of Microbiologists of India Mangalore, Dec. 5-7, 1998.
10. M.SekharBabu. Shiva C.Aithal and P.S.Wakte (1999) "Investigation of Nitrification Process Employing Different Ammonium Sources by the Alkalophilic Bacteria from Lonar Lake". Symposium on Recent Trends in Biotechnology for Rural and Industrial Development, organized by Rajarshi Shahu Mahavidyalaya, LATUR (M.S.) Mar.20-21, 1999.
11. M.Venkatnarsaiah. Shiva C. Aithal and P.S. Wakte (1999) "A Report on some Nutritional Requirements of Alkalophilic Isolates From Soil and Water of Lonar Lake". Symposium on Recent Trends in Biotechnology for Rural and Industrial Development, organized by Rajarshi Shahu Mahavidyalaya, Latur (M.S.) Mar.20-21. 1999.
12. M.V.Madhusudan Reddy., Shiva C. Aithal and P.S. Wakte (1999) "Comparative Studies on Nitrosification Rate by Employing Isolates and Consortium of Bacteria Isolated From Lonar Lake". Symposium on Recent Trends in Biotechnology for Rural and Industrial Development, organized by Rajarshi Shahu Mahavidyalaya, Latur (M.S.) Mar.20-21, 1999.
13. Shiva C. Aithal, P.S.Wakte, M.Venkatnarsaiah and M.V.Madhusudan Reddy (1999) "A Report on Some Microbial Activities in the Extreme Environment of Lonar Lake(M.S.)"National Conference-cum-Workshop on Wetland Conservation- Problems, Prospectus and Challenges in Next Millennium, Organized by P.G.Dept. Of Zoology, R.A.Arts, M.K. Commerce, and S.R.Rathi Science College, WASHIM (M.S.) Oct.23-25, 1999.
14. Shiva C. Aithal., J.Papeshwarrao, D.N.Kulkarni and P.S.Wakte (2000) "Utilization of Cellulosic Waste of Zea mays (Bracts) for Production of Industrial Alcohol by Fermentation employing *Saccharomyces cerevisiae*". Microbiology for the third millennium. 40th Annual Conference of Association of Microbiologists of India, held by Central Institute of Freshwater Aquaculture (CIFA) Bhubaneswar, ORRISA. Jan.22-24, 2000.
15. C.R.C.Rao, M.V.Narsaiah, Shiva C. Aithal and P.S.Wakte (2000) "Studies on Nutritional Requirement and Enzyme Production of Isolates from an Extreme Environment of Saline Lake in Lonar Crater". Microbiology for the third millennium. 40th Annual Conference of Association of Microbiologists of India, held by Central Institute of Freshwater Aquaculture (CIFA) Bhubaneswar, ORRISA. Jan.22-24, 2000.
16. M.V.Madhusudan Reddy, M.Shekar Babu, Shiva C. Aithal and P.S.Wakte (2000) "Comparative Investigations of some Microbial activities in an Extreme Alkaline Lake of Largest Meteoritic Crater on Earth". Microbiology for the third millennium. 40th Annual Conference of Association of Microbiologists of India, held by Central Institute of Freshwater Aquaculture (CIFA) Bhubaneswar, ORRISA. Jan.22-24, 2000.
17. Shiva C. Aithal, Thakur, R.S., D.N.Kulkarni and P.S.Wakte (2000) "Use of Supplemented Glucose Syrups obtained from Blackened Sorghum for production of Industrial Alcohol by Fermentation employing *Saccharomyces cerevisiae*. International Conference on Microbial Biotechnology Trade and Public Policy organized by Dept. of Microbiology, Osmania University, HYDERABAD - 7.
18. Shiva C. Aithal, D, Chiranjeevi and P.S.Wakte (2000) "Metal ion Profile on Amylase Activity produced by Alkalophilic Bacterial isolates obtained from Lonar Lake". Micro biotech 2000. 41st Annual conference held by Association of Microbiologists of India, Birla Institute of Scientific research, JAIPUR. Nov. 25-27, 2000.
19. Shiva C. Aithal, Raghvender Reddy and P.S.Wakte (2000) "Studies on Biocontrol of fungi by *Azotobacter* sp. in extreme conditions isolated from alkaline lake of Lonar crater" Micro biotech 2000. 41st Annual conference held by Association of Microbiologists of India, Birla Institute of Scientific research, JAIPUR. Nov. 25-27, 2000.
20. Shiva C. Aithal, R. S. Thakur, P. D. Dasalkar, D. N. Kulkarni and P.S.Wakte (2000) "Effect of supplementation in black sorghum glucose syrups for ethanol production by immobilized *Saccharomyces cerevisiae*" Micro biotech 2000. 41st Annual conference held by Association of Microbiologists of India, Birla Institute of Scientific research, JAIPUR. Nov. 25-27, 2000.
21. Shiva C. Aithal, Hamdapurkar, S.K. and P.S.Wakte (2001) " A study on biochemical conversion of agricultural starchy wastes into glucose syrups"42nd Annual Conference of Association of Microbiologists of India, held by Association of Microbiologists of India, Gulbarga University, GULBARGA-585106.
22. Shiva C. Aithal, Kottury R. Harishankar and P.S. Wakte (2001) "Effect of sterol and unsaturated fatty acids on ethanol production by fermentation employing *Saccharomyces cerevisiae*" 42nd Annual Conference of

Association of Microbiologists of India, (9-11 Nov.) held by Association of Microbiologists of India, Gulbarga University, GULBARGA-585106.

23. **Wakte, P.S.**, Shiva C. Aithal and Muralidhara Reddy (2001) "Studies on use of Lonar village water as a culture medium for growth of *Spirulina sp.*" 42nd Annual Conference of Association of Microbiologists of India, (9-11 Nov.) held by Association of Microbiologists of India, Gulbarga University, GULBARGA-585106.
24. Aithal S. C., Shaik Sayeed, **P.S. Wakte** and A. V. Manwar (2003) " Biological control of phytopathogens using *Trichoderma viridiae*" In UGC sponsored National Conference on Plant Biotechnology for agricultural development (18-19 Feb.) organized by Dept. of Botany, Lal Bahadur Shastri Mahavidyalaya, DHARMABAD.
25. **Wakte, P. S.** and S. R. Dave (2003) Influence of retention agent (amyl alcohol) on chalcopyrite biooxidation by *Acidithiobacillus ferrooxidans* consortium, In, Symposium on "Microbial diversity in sustainable development", Gujarat University Ahmadabad,
26. Md.,Babar and **P.S.Wakte** (2006) Geoenvironmental and Microecological Characteristics of Lonar Lake, Maharashtra, In, 'Ecology of Lakes and Reservoirs' Etd by V.B. Sakhare Daya Publishing House, New Delhi. pp 111-124.
27. **Wakte, P.S.** and S.R. Dave (2006) Use of Amyl Alcohol For Control Of Acid Rock Drainage (ARD) In Mining Environment, In Proceedings of National Conference on "Environmental Pollution, Disaster Management And Mitigation" (EPDMM-2006),(15-16 sep) organized by D.S.M. College, Parbhani (M.S.) pp.75-79.
28. Md.,Babar and **P.S.Wakte** (2006) Environmental Characteristics of Lonar Lake With Reference to Geological and Microbial Attributes, In Proceedings of National Conference on "Environmental Pollution, Disaster Management And Mitigation" (EPDMM-2006),(15-16 sep) organized by D.S.M. College, Parbhani (M.S.) pp.85-91.
29. Modak, S.V., S.D. Biradar & **P.S.Wakte** (2006) Studies on phytofungicidal activity of some plants Marathwada region. In, 3rd Convention of BRSI & International Conference on "Exploring Horizons In Biotechnology: A Global Venture ", (2nd-4th Nov.) Organized by B.R.D. School of Biosciences, Sardar Patel University, and Vallabh Vidya Nagar. Gujarat, India.
30. S.Sajid Ali, G. Gyananath, **Wakte, P.S.** & Manwar, A.V.(2006) Decolorization of hazardous dyes by activated charcoal and chitin. In, 3rd Convention of BRSI & International Conference on "Exploring Horizons In Biotechnology: A Global Venture ", (2nd-4th Nov.) Organized by B.R.D. School of Biosciences, Sardar Patel University, and Vallabh Vidya Nagar. Gujarat, India.
31. Mohite, Y.S. and **P.S. Wakte** (2008) The effect of various growth on morphological variations of *Spirulina platensis* isolated from halo-alkaline habitat. In, International conference on Biodiversity Conservation And Management Theme: Ecosystems and Sustainable Development. (BIOCAM 2008) Organized by Rajiv Gandhi Chair in Contemporary Studies CUSAT, Central Marine Fisheries Research Institute (ICAR), Cochin.
32. **Wakte, P.S.** and D.U. Bhusare (2009) Optimization of various Physico-Chemical parameters for Protease synthesis by thermo tolerant *Bacillus licheniformis* BWU-1 isolate from Hot Sulphur Spring. In 50th Annual Conference of Association of Microbiologists of India.,(15-18th Dec) National Chemical Laboratory, Pune.
33. **Prashant Wakte** and Yuvraj Mohite (2010) Studies on Factors Influencing Growth and C-Phycocyanin Production of *Arthrospira platensis* from Meteoritic Crater Lake, In, International Seminar of Indonesian Society for Microbiology (ISISM 2010) On Harnessing the power of microbes for better food, agro-industry, health, and environment, (4-7th Oct), Bogor, Indonesia.
34. Bhusare, D.U. and **P.S. Wakte** (2011) Purification and Molecular Characterization of Alkaline Protease from *Thermotolerant Bacillus Licheniformis* BWU-1. In, International Conference on Biotechnology For Better Tomorrow (BTBT 2011), Organized by Dept of Microbiology, Dr. BAMU, Sub-Campus, Osmanabad,
35. Bhusare, D.U. and **P.S. Wakte** (2011) Integrated effect of divalent metal ions on production and activity of alkaline protease from thermotolerant *B. licheniformis* BWU-1 In, International AMI Conference on "MICROBIAL BIOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT", 3rd -6th Nov.2011 Organized by Punjab University, Chandigarh-160014 India
36. **Wakte, P.S.** and D.U. Bhusare (2012) Structural characterization of thermo-tolerant protease by dynamic *Bacillus licheniformis* BWU-1 isolated from hot sulfur spring of Unkeshwar in India In, Sri Lanka- India Conference on "AGRICULTURAL BIOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT" (ABSD 2012), 12th -13th Mar, 2012 Organized by Ministry of HE, UNI. OF RUHANA, PERADENIYA & COLOMBO, BMICH, Colombo, SRI LANKA.
37. Bhusare, D.U. and **P.S. Wakte** (2012) Statistical Optimization of Alkaline Protease Production by Immobilized Thermo tolerant *B. licheniformis* BWU-1 using Response Surface Methodology In, Sri Lanka- India Conference on "AGRICULTURAL BIOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT" (ABSD 2012), 12th -13th Mar, 2012 Organized by Ministry of HE, UNI. OF RUHANA, PERADENIYA & COLOMBO, BMICH, Colombo, SRI LANKA
38. **Wakte, P.S.** and D.U. Bhusare (2012) Micro-Ecological and Biochemical Aspects of Thermal Spring of Unkeshwar In, Indo-Bhutan International Seminar on "ADVANCES IN ENVIRONMENTAL SCIENCES" (AES-2012), 11th-12th May, 2012 Organized by Sherubtse College, Royal University of Bhutan, Kanglung, Trashigang, BHUTAN.

39. Bhusare, D.U. and **P.S. Wakte** (2012) Scale up production of alkaline protease by thermotolerant *B. licheniformis* BWU-1 using pilot plant bioreactor GBJS-5 In 53rd Annual Conference of Association of Microbiologists of India (AMI) International conference on "Microbial World: Recent Innovations and Future Trends 22nd -25th Nov.2012 Organized by KIIT University, Bhubaneswar-751024 Orissa.
40. Bhusare, D.U. and **P.S. Wakte** (2012) Scale Up of Alkaline Protease By Thermotolerant *B. licheniformis* Jx849145 using Bioreactor and its application In, UGC & SRTMU Sponsored National Conference on "Recent Trends and Future Prospectus in Life Sciences" 27th-28th Dec.2012 Organized by MGM Mahavidyalaya, Ahmedpur, Latur (MS)

Conferences / Seminars / Refreshers / Workshops Attended & Other extra-curricular Activities:

1. Seminar on industrial pollution, Jan 14 1990, Rotary club of Aurangabad East Dist. 313, Hotel Rama International, Aurangabad.(M.S.)
2. Seminar on Uses of Microorganisms in Biotechnology, Dec, 7 1990. Rajarshi Shahu Mahavidyalaya Latur.(M.S.)
3. Workshop on biological curricula, Nov, 1992. Marathwada University, Aurangabad.
4. Member of Board of Examiners, 18th State level Science Exhibition of Maharashtra State Educational, Research and Training Council, Pune and State Science Education Institute Nagpur at Parbhani on 9/2/1993 to 11/2/93.
5. **Micon 94 International and 35th Annual conference of Association of Microbiologist of India, 9-12, Nov 1994, DFRL, Mysore.570011.**
6. Gujarat Science Congress, Nov., 1994, PRL & Dept. of Zoology, School of sciences, Gujarat University, Ahmadabad.
7. 36th Annual conference of Association of Microbiologists of India Nov. 8-10 95. Dept. of Microbiology, CCS Haryana Agri. University, Hissar.
8. Conveyed Round table meet on "Curriculum in Microbiology" Dec. 17 1995 at Dept. of Microbiology D.S.M. College, Parbhani.
9. National seminar on Biotechnology for Rural & Industrial Development Dec. 22 -23 1995. Center for Biotechnology, Gulbarga University Gulbarga.
10. Refresher Course in Life sciences, Feb. 22- Mar. 14 1996, Theme – Marine biotech & Microbiology, ASC Goa University, Goa.
11. National Symposium on Recent Trends in Biochemistry & Biotechnology of Fungi, 25-26 Oct. 1996. Dept. of Biochemistry, Osmania University, Hyderabad.
12. National Symposium on recent Trends in Biotechnology of Yeast & Fungi, 13-14 Mar.1997, School of Life Sciences, North Maharashtra University, Jalgaon.
13. Refresher Course in Envi. Sci. 2-30 Aug. 1997.ASC Dr. BAMU, Aurangabad.
14. 38th Annual Meeting of The Association of Microbiologist of India, Conference on Microbes in sustainable development, Dec.12-14 1997, Jamia Milia Islamia, New Delhi.
15. Diamond Jubilee Celebration & 39th Annual conference of Association of Microbiologists of India, Dec. 5-7 1998, Dept. of Microbiology, Uni. of Agri. Sci. College of Fisheries, Mangalore.
16. Regional conference on Advances in Botany, 15-17 Jan. 1999, Shri Shivaji College Arts, Com., Sci., Parbhani.
17. State level symposium on Recent Trends in Biotechnology for Rural & Industrial Development, 20-21 Mar. 1999, RSM Latur.
18. Refresher Course I Biotechnology Apr. 19-May 14 1999, ASC, JNU, New Delhi.
19. Seminar on Environmental awareness and its social aspects, 9 Jan. 2000. Shri Shivaji Mahavidyalaya, Barshi Dist. Solapur.
20. 40th Annual conferences of Association of Microbiologists of India, 22-24 Jan. 2000, CIFA, Bhubaneswar, Orissa.
21. **International Conference on Microbial biotechnology, Trade & Public policy, 15-17 July 2000. Dept. of Micro., Osmania University, Hyderabad.**
22. 10th National symposium on Environment 4-6 June 2001. BARC, Mumbai.
23. Conference on 25 years of Autonomy Vision, Experience & Future directions, 5-7 Feb. 2003. Loyola College, Chennai.
24. Seminar on Water: Elixir of Life, 28 Feb. 2003, DSM College, Parbhani.
25. National symposium on Microbial diversity in Sustainable development, 1-2 Mar.2003. Dept. Micro. Gujarat Uni. Ahmadabad.
26. Workshop on New Trends in UGC Curriculum for UG Courses in Microbiology, 10Aug. 2003. DSC Latur.
27. Workshop on P.G. syllabus of Microbiology, 15th Oct. 2003, N.S.B. College, Nanded.
28. National Seminar on Biotechnological Approaches towards the Integrated Management of Crop Diseases, 30th -31st July 2004, Dept of Botany, Dr. B.A.M. University, Aurangabad.
29. Regional Level Workshop on New Trends in Revised UGC Model Based Curriculum at UG Level in Microbiology, 2nd - 3rd Oct. 2004, DSC, Latur.
30. National Level Workshop on "Development in Biotechnology: Emerging Trends & Challenges". 25th-27th Nov. 2004, North Maharashtra University, Jalgaon.
31. One Day Workshop on "M.Sc. Microbiology (III-IV Semester) UGC Syllabus" 16th Jan. 2005, SLS, SRTM University, Nanded

32. National Symposium on "Crop Disease Management in Dry land Agriculture" & 57th Annual Meeting of IPS, New Delhi, 12th -14th Jan. 2005, Marathwada Agril. University, Parbhani
33. UGC Sponsored refresher course in Biological Sciences (RCBIOSCI-157.2005), 28th Nov-17th Dec 2005, UGC Academic Staff College, Himachal Pradesh University, Shimla
34. National Conference on "Environmental Pollution, Disaster Management And Mitigation" (EPDMM-2006), 15th - 16th sep 2006, D.S.M. College, Parbhani
35. **3rd BRSI Convention & International Conference on "Exploring Horizons in Biotechnology: A Global Venture" 2nd-4th Nov 2006, B.R.D. School of Biosciences, S.P. University, Vallabh Vidyanagar, Gujarat, India.**
36. National Seminar on Biotechnology for Sustainable Development, 12th -13th Feb.2007, Shri Shivaji Mahavidyalaya, Barshi Dist. Solapur.
37. **International conference on Biodiversity Conservation And Management *BIOCAM 2008* (THEME : ECOSYSTEM AND SUSTAINABLE DEVELOPMENT), 3rd - 6th Feb. 2008, organized by Rajiv Gandhi Chair in contemporary studies, Cochin University of science and Technology, COCHIN.**
38. **3rd International Congress on Bioprocesses in Food Industries , 2008 & 5th Convention of The Biotech Research Society of India, 6th - 8th Nov. 2008, Osmania University, Hyderabad, India**
39. Conclave of Science Faculty - 2008, 18th April 2008, Organized by School of Earth Sciences, S.R.T. Marathwada University, Nanded.
40. One Day Interaction Program to Establish and Launch PBEM, 7th Oct 2009, Knowledge and Study Centre, Barwale Foundation, Jalna.
41. 50th Annual Conference of Association of Microbiologists of India, 'Third *Golden Era of Microbiology* ', 15th -18th Dec 2009, National Chemical Laboratory (NCL), Pune.
42. Lonar Lake Protection and Conservation Conference, Jalna, 12th -13th Dec 2009, Organized by Marathi Vigyan Parishad, Jalna.
43. UGC Sponsored National Seminar on "BIOTECH 2010: Trends in rDNA Technology, 14th and 15th Nov.2010, Organized by Department of Biotechnology, Dr. B.A. Marathwada University, Sub Osmanabad(M.S.)
44. UGC Sponsored State Level Seminar on "Recent Trends in Microbial Technology ", 11th Feb 2010, Deogiri College, Aurangabad.
45. **International Seminar of Indonesian Society for Microbiology (PERTEMUAN ILMIAH TAHUNAN PERMI) ISISM 2010, 4th - 7th Oct 2010, Bogor, Indonesia.**
46. **International Workshop on Microbial Culture Collection and Maintenance Organized by Indonesian Society for Microbiology (PERTEMUAN ILMIAH TAHUNAN PERMI) ISISM 2010, 4th - 7th Oct 2010, Bogor, Indonesia.**
47. **International Conference On " BIOTECHNOGY FOR BETTER TOMMORROW" BTBT2011 ,6th - 9th Feb 2011 Organized by BRSI & Dept of Microbiology , Dr. BA Marathwada University, Sub-campus Osmanabad, (M.S.) India.**
48. State level workshop On "e-Learning in Microbiology", 21st Aug.2011 Sponsored by Microbiologists Society, Dr.B.A. Marathwada University Sub-campus, Osmanabad India
49. **International AMI Conference on "MICROBIAL BIOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT", 3rd -6th Nov.2011 Organized by Punjab University, Chandigarh-160014 India**
50. National Conference on " INTERNATIONAL YEAR OF BIODIVERSITY 2010: A REVIEW ON INDIAN BIODIVERSITY AND ITS CONSERVATION" 16th -17th Dec 2011 Organized by Shivaji College, Parbhani (MS)
51. **Sri Lanka- India Conference on "AGRICULTURAL BIOTECHNOLOGY FOR SUSTAINABLE DEVELOPMENT" (ABSD 2012), 12th -13th Mar, 2012 Organized by Ministry of HE, UNI. OF RUHANA, PERADENIYA & COLOMBO, BMICH, Colombo, SRI LANKA.**
52. **Indo-Bhutan International Seminar on "ADVANCES IN ENVIRONMENTAL SCIENCES" (AES-2012), 11th -12th May, 2012 Organized by Sherubtse College, Royal University of Bhutan, Kanglung, Trashigang, BHUTAN.**
53. One Day Workshop on "Avishkar-2013/Anwaeshan-2013" 9th Aug.2012 Organized by S.R.T.M. UNIVERSITY, Nanded at Shivaji College. Parbhani (MS)
54. NAAC Sponsored Two Day State Level Seminar on "Involvement of Students in Quality Enhancement of Higher Educational Institutes" 8th -9th Sept. 2012 Organized by IQAC, Balbhim Arts, Science & Comm. College, Beed (M.S.).
55. DBT, Govt. of India Sponsored National Workshop on "Research Methodology & Biostatistics: Application in Biomedical Science/ Biological Science" 4th -6th Oct. 2012 Organized by Department of Biological Science, Gauhati University, Guwahati, Assam.
56. **53rd Annual Conference of Association of Microbiologists of India (AMI) International conference on "Microbial World: Recent Innovations and Future Trends 22nd -25th Nov.2012 Organized by KIIT University, Bhubaneswar-751024 Orissa.**
57. UGC & SRTMU Sponsored National Conference on "Recent Trends and Future Prospectus in Life Sciences" 27th -28th Dec.2012 Organized by MGM Mahavidyalaya, Ahmedpur, Latur (MS)
58. Interactive Seminar on "New Paradigm in Quality through Accreditation" 12th April 2013 Organized by UGC, New Delhi at University of Mumbai, Mumbai.
59. NAAC Sponsored Two Day National Seminar on "Best Practices in Higher Education" 26th -27th April 2013 Organized by IQAC, P. V. Patil College, Patoda, Beed.

60. One Day District Level Workshop on "Avishkar-Research Awareness" 23rd July, 2013 Organized by Late Sow. Kamaltai Jamkar Mahavidyalaya, Parbhani in Collaboration with SRTMU, Nanded.
61. One Day Seminar on "Biotechnology for Better Tomorrow -2013" 31st August, 2013 Organized by Dept of Microbiology, P. V. Patil College, Patoda, Beed.
62. State Level Microbiology Students Summit on "Pure Water for Better Health" 10th Oct., 2013 Organized by Dept of Microbiology, Shri. R.L.T. College, Akola & SGBAU, Amravati.
63. **International Conference (BTBT-2013) on "Biotechnology for Better Tomorrow "11-12 Nov., 2013 Organized by Rajiv Gandhi Science Centre, Mauritius.**
64. One Day Workshop On " Science & Biotechnology Awareness "25th Feb, 2014 Organized by Dept of Biotechnology, New Model Degree College, Hingoli & SRTMU, Nanded.
65. State Level Seminar On " Exploring Microbial Biotechnology " 12th Jan. 2014 Organized by Walchand College of Arts & Science, Solapur.
66. **International Conference (BTBT-2014) on "Biotechnology for Better Tomorrow 2014" 29th March, 2014 Organized by Institute Of Biological Sciences, University of Rajshahi, Bangladesh.**
67. **International Seminar on "Food Safety & Global Health"1st April, 2014 Organized by Dept. of Food Technology and Nutritional Science (FTNS), Mawlana Bhashani Science and Technology University, TANGAIL, Bangladesh.**
68. One Day Seminar on "Recent Trends in Biotechnology" 20th July 2014 Organized Dept. Of Microbiology, BAMU sub centre at Aurangabad.
69. One Day Workshop on "Newly Designed Curriculum of B.Sc. II & M.Sc. I (CBCS Pattern) for Microbiology" 31st July, 2014 Organized by Indira Gandhi (Sr.) College CIDCO, Nanded In collaboration with SRTMU, Nanded.
70. National Conference on "Advanced Studies in Life Sciences and Medicinal Plants" 19th-20th Dec.2014 Organized by Dept. of Botany, Nagnath Art's, Commerce & Science College, Aundha (Nagnath), Dist Hingoli- 431705.
71. Workshop On "Best Practices in Higher Education" 24th Feb 2015 Organized by Internal Quality Assurance Cell, Narayanrao Kale Smruti Model College, Karanja(Gh.),Dist. Wardha.
72. Short Term Faculty Development Programme on "Multi-dimensional Perspectives of Entrepreneurship Development" 1st-8th July 2015 Jointly Organized by SRTMU NANDED, DSM (P) & MCED, Aurangabad.
73. UGC and SRTMU Sponsored Two Days National Conference on "Life Sciences Major Challenges"(Interdisciplinary, LSMC 2015) 3rd- 4th September, 2015 Organized by Department of Zoology, B. Raghunath Arts, Commerce & Science College, Parbhani
74. UGC and SRTMU Sponsored National Level Conference on "Animal Sciences: Rising to the Challenges"22nd-23rd Dec.2015 Organized by Dept of Zoology, SGB Mahavidyalaya, Purna Dist. Parbhani.
75. SRTMU Sponsored One Day State Level Workshop on "National Institutional Ranking Framework (NIRF)" 14th Jan 2016 Organized by IQAC Shri Shivaji College, Parbhani.
76. UGC-SAP & DST-FIST Sponsored National Conference on "Bioactive Molecules and their Therapeutic Values: Current Status" (BMTVCS-2016)13th-14th March 2016 Organized by SLS, SRTMU, Nanded-431606.
77. **International Conference on Beneficial Microbes 2016 (ICOMB-2016) 31st-2nd June 2016 Jointly Organized by University Sains Malaysia, Penang, Malaysia and King Mongkut's Institute of Technology, Ladkrabang, Thailand, PHUKET, Thailand.**
78. Two Day Residential Workshop on Academic Autonomy 1st-2nd August 2016 Organized by RUSA & DHE, Govt. of Maharashtra, Mumbai University, Mumbai.
79. Workshop on "Intellectual Property Rights (IPR)" 24th August 2016 Organized by RUSA, Maharashtra, RGNIPM, Nagpur& SRTMU, Nanded.
80. UGC-National Conference on Newest Developments in Chemical Sciences for Civilized Society (NDCSCS-2016) 9th-10th Dec, 2016 Organized by Dept. of Chemistry, Dnayanopasak College, Parbhani
81. State level Seminar on Agro Biotechnology for Sustainable Development 23rd DEC.2016 Organized by Dept of Microbiology, PVP College, Patoda Dist Beed & BAMU, Aurangabad.
82. State level Seminar on CBCS AN INNOVATIVE CONCEPT IN HIGHER EDUCATION 10th JAN 2017 Organized by IQAC, Vaidyanath College, Parli- Vaijanath Dist.- BEED.
83. National Conference on Climate Change, Biodiversity and Bioresource Management 1st-3rd FEB 2017 Organized by JNR Mahavidyalaya, Port Blair, Andaman.
84. One Day State level Inter University Microbiology Teachers Meet 25th June 2017 Organized by Dept of Microbiology, H.V. Desai College, Pune.
85. One Day National Level Seminar on, "Revised Accreditation Framework" 1st Sep 2017 Shri Shivaji College, Parhani.

86. **58th Annual Conference of Association of Microbiologists of India (AMI) & International Symposium on Microbes for Sustainable Development : Scope & Applications(MSDSA-2017) 16TH -19TH Nov,2017 Organized by Babasaheb Bhimrao Ambedkar (A Central) University, Lucknow, Uttar Pradesh.**
87. One Day Workshop on B.Sc. Third Year Syllabus Structure: CBCS Pattern & SEC in Microbiology Jointly Organized by SRTMU, Nanded & Department of Microbiology, Shivaji College, Renapur, DIST.- LATUR
88. State Level Seminar on Frontiers in Microbiology' & Annual Microbiologists' Meet -2018 20th- 21th Oct 2018, Organized by HPT Arts & RYK science College , Nashik.
89. Interdisciplinary National Conference on "Computer Applications and Use of Recent Techniques In Science" 28th -29th Dec. 2018 Jointly Organized by Dept. of Microbiology & Chemistry K.S.K.W. College, CIDCO, Nashik & Savitribai Phule Pune University, Pune.
90. **59th Annual Conference of Association of Microbiologists of India (AMI-2018) & International Symposium on Host-Pathogen Interactions 9th-12th Dec. 2018 Organized by School of Life Sciences, University of Hyderabad, Hyderabad, Telangana-500046,**
91. One Day Seminar on " Microbial Biotechnology " 6th Feb 2019 Organized by Yogeshwari Mahavidyalaya, Ambajogai, Dist- Beed (M.S.)
92. National Seminar on " Recent Trends in Research and Development" 19th Jan 2019 Organized by Parul University, Vadodara, GUJARAT- 391760
93. National Seminar on " Recent Trends in Research and Development" 21th Jan 2019 Organized by Faculty of Applied Sciences, Parul Institute of applied sciences & Research, Parul University, Ahmadabad, Gujarat- 380058
94. **International Conference on " Emerging Trends in Microbiological Sciences & IPR-2019 "(ETMS-IPR-2019) 7TH Feb 2019 Organized by Department of Microbiology, Miliya Arts, Sciences & Management Science College, Beed,**
95. One Day Workshop on Intellectual Property Rights (IPR) Awareness for Teachers 18th Feb. 2019 Jointly Organized by SRTMU, NANDED, DSM COLLEGE, PARBHANI and Patlex Business Solutions, Latur.
96. **International Conference on "Microbial Technology for Better Tomorrow" (MTBT-2019) 11TH - 12TH May 2019 Organized by D.A.V. College, Lalitpur, Kathmandu, Nepal.**
97. One Day Seminar on "Microbes in Clean Environment" 23rd Sep. 2019 Organized by Department of Microbiology, Barkatullah University, Bhopal- 462026 (M.P.)
98. Two Days National Conference on "Microbes for Clean Environment "29th- 30th Sep. 2019 Organized by Taywade College, Koradi, Nagpur.

Membership:

1. Associate Dean, Faculty of Science & Technology, SRTM University, Nanded(Since FEB 2023)
2. Co-Ordinator,(Dean) Faculty of Science, SRTM. University, Nanded (Since Nov, 2015 to March 2017).
3. Principal Incharge, DSM College, Parbhani (2019-2020)
4. Chairman BOS in Microbiology, S.R.T.M. University, Nanded.
5. Member, BOS in Microbiology and Agricultural Microbiology at SRTMU, Nanded (Since 1995 to date).
6. Member, faculty of Science & Technology, SRTMU, Nanded.
7. Member, Academic Council, SRTMU, Nanded
8. Member of 48(5) & 48(3) committee SRTMU, Nanded.(to date)
9. Member of RRC, SRTMU, Nanded.
10. Ex-Member of BOS in Food Technology at MAU, Parbhani.
11. Ex-Member of BOS in Food and Nutrition, Faculty of Home Science, MAU, Parbhani.
12. Ex-Member of Adhoc board (Microbiology) at Marathwada University, Aurangabad (1993-1995).
13. Ex-Member of Adhoc board (Microbiology) at Dr. B.A.M. University, Aurangabad(2007-2009)
14. Member of syllabus setting committee, Swami Ramanand Teerth Marathwada University, Nanded,
15. Member of syllabus setting committee, Solapur University, Solapur
16. Chairman, Examination board of Post graduation, SRTMU, Nanded since 1995.
17. Member, Examination panel of Post graduation, SRTMU, Campus Nanded.
18. Member of paper setting committee at SRTMU, Nanded
19. Member, Examination board of Post graduation, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
20. Member of Examination panel, at UG & PG level, North Maharashtra University, Jalgaon
21. Member, Examination board of Post graduation, S.G.B. Amravati University, Amravati.
22. Member, Examination board of Post graduation, Shivaji University, Kolhapur
23. Member, Examination board of Post graduation, Solapur University, Solapur
24. Member, Examination board of Post graduation, STM Nagpur University, Nagpur

25. Member of S.R.T. Marathwada University College Teachers Association (SRTMUCA) & MFUCTO
26. Life Member Association of Microbiologists of India (AMI) New Delhi.
27. Life member of Indian Phytopathological Society, (IPS) New Delhi
28. Member editorial board of BIONANOFONTIER, Mumbai
29. Life member & General Secretary Microbiologists Society, Karad
30. Life member of Biotech Research Society of India (BRSI), Trivandrum
31. Member of Geo forum, Aurangabad

M.Sc. dissertations: -

Sr.No	Name of Students	Title	Year
1.	P.S.L. Kamlakar Reddy	Testing of various physico-chemical characters & optimization for Bioextraction of copper from chalcopryrite concentrate	1999
2.	Mohd. Mukarm Ali	Development of metal soluble salts & other metabolic tolerant culture for Bioextraction of copper from chalcopryrite concentrate.	1999
3.	Pandri Upendra Reddy	Isolation & Development of acidophilic chemolithotrophic consortium for bioleaching of pure concentrate.	1999
4.	Mohd. Nazahath Ali Siddiqi	A comparative study of U.V induced mutation in exponential growing & in the stationary phase of E.coli K ₁₂	2000
5.	Kalambe G.N	Effect of various concentration of Amyl alcohol on Iron Oxidation behavior of Thiobacillus ferrooxidans	2000
6.	Amilkanthwar A.C	DPJ on natural medium for fermentation of citric acid by A.niger	2000
7.	Hashmi M.A	Effect of hydrogen ion concentration (pH) & mineral ions in use of DPJ on basal medium for production of Citric acid by using isolate of A.niger from Spinach leaves.	2000
8.	Syed Uzair	Studies on Biosurfactant production potentials of alkalophilic bacterial isolate	2001
9.	N.T.Jhonsan	Effect of various concentration of organic solvents on bioleaching of chalcopryrite concentrate by using consortium of T.ferrooxidans	2001
10.	Muralidhara Reddy	Utilization of Lonar water & N,P,K as a culture medium for growth of Spirulina isolates	2001
11.	Y.Sriniwas	Studies on biosorption of Copper by A. niger	2001
12.	J.Suchita	Studies on biosorption of Zinc by A. niger isolated from soil.	2002
13.	T.Bhanu	Studies on Lonar water as culture medium for S. platensis isolated from alkaline environment.	2002
14.	Raje P.M	Effect of CO ₂ and organic solvent on bioleaching of Copper by using T. ferrooxidans	2002
15.	J.Kavihta	Studies on biosorption of copper by Rizhopus spp. isolate	2002
16.	G. Prashant	Effect of temperature on lactic acid production from different substrates by Lactobacillus acidophilus	2002
17.	A. Ravicharan	Studies on effect of silver on iron oxidizing bacteria.	2003
18.	Latpate C.S	The Oligodynamic effect of copper on index of water pollution (Organism <i>E. coli</i>)	2003
19.	Hardas D.S	Effect of Copper on Sugar utilization ability of E.coli	2004
20.	Kathole U.S	Studies of production of citric acid using A. niger isolates.	2005
21.	Jagtap S.V	Studies on effect of succinic acid & citric acid on Penicillin production by Penicillium chrysogenum.	2005

22.	Raut S.H	Study on antibacterial activity of some medicinal plants.	2006
23.	Khandaliker S.S	Study on antifungal activity of some medicinal plants.	2006
24.	Pantange S.U	Study on antibacterial potentials of some Kinwat forest medicinal plants.	2007
25.	Gujar R.S	Study on Antifungal potentials of some Kinwat forest medicinal plants.	2007
26.	Deshpande A.A.	Characterization and most probable number determination of pesticide degraders from agricultural fields.	2008
27.	Deshmukh	Studies on isolation and identification of <i>Dunalleilla</i> spp from lonar crater lake water	2010
28.	Deshpande		
29.	Dake Nilesh	Studies On Biosorption of Zinc By <i>Aspergillus niger</i>	2011

References:

- **Prof. Dr. Dave S. R.,** Former Head, Department of Microbiology and Biotechnology, School of Sciences, Gujarat University, Ahmadabad., Tel: 07926853709.

Date: 01-04-2023

Place: PARBHANI

(Dr. Prashant S. Wakte)