

## Bio-Data

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- Name** : **Dr. Thorat Prakash Ramrao**
- Designation** : **Professor in Microbiology and Principal.**
- Qualification** : M.Sc., M.Phil., Ph.D.
- Date of Birth** : 20 July 1960
- Address** : 739/10/4, Patil Plots, Shivajinagar, Barshi-413 411,  
Dist-Solapur, M.S., India
- Institute address** : Shri Shivaji Mahavidyalaya, Barshi- Barshi-413 411,  
Dist-Solapur, M.S., India
- Phone nos.** : 02184-227117 Cell-09822516726, 08149174874
- E-mail** : [prakash\\_micro1@yahoo.co.in](mailto:prakash_micro1@yahoo.co.in) & [prakashmicro1@gmail.com](mailto:prakashmicro1@gmail.com)
- Academic Qualification:**
- B.Sc.** : Passed in First Class at Science College, Karad affiliated to  
(Microbiology) Shivaji University, Kolhapur. (1982)
- M.Sc.** : Passed in First Class at Science college, Karad affiliated to  
(Microbiology) Shivaji University, Kolhapur. (1984)
- M.Phil** : Passed in 'A' Grade from Pune University. (1989)  
(Microbiology) **Title of the Dissertation- Treatability Study of Textile Dyeing Wasterwater**
- Ph.D.** : Declared Ph.D. in 2005.  
(Microbiology) **Title of the Thesis- Studies On The Microbiological and Biochemical Treatment of Textile Industry Wastewater"**
- : Recognised Ph.D. Guide in Microbiology of Solapur University,  
Solapur
- M.Phil Awarded** : **2 Students**
- Ph.D. Awarded** : **06 Students awarded**
- Post Doctoral Fellow** : **Dr C B Jalkute is doing PDF (Dept of Science & Technology) New Delhi under my mentorship**

**Details of Conferences/Symposia/ Seminars/ Workshops attended:**

- 2017** Chief Guest for Valedictory function at INTERNATIONAL CONFERENCE EMERGING TRENDS AND CHALLENGES INJ SCIENCE TECHNOLOGY AND SOCIETY HELD AT UNIVERSITY OF MAURITIUS, Le Reduit, MAURITIUS
- 2016** : Chief Guest for One day National Seminar on ' Bio prospecting Microorganisms from Marine Environment- Hunt for Treasure to Pleasure held on 8<sup>th</sup> Jan 2016 at Karmaveer Bhaurao Patil College, Vashi, New Mumbai
- 2014** : Attended 55<sup>th</sup> Annual Conference of Association of Microbiologists of India, National Conference on Empowering Mankind with Microbial Technologies held at Tamilnadu Agriculture University Coimbatore. From November 12<sup>th</sup> – 14<sup>th</sup>, 2014
- 2013** : Attended 54<sup>th</sup> Annual Conference and Platinum Jubilee Celebrations of Association of Microbiologists of India. International conference on “Frontier Discoveries and Innovations in Microbiology and Its interdisciplinary rganized ” held at Maharshi Dayanand University, Rohtak on 17-20 Nov 2013
- 2012** : Attended 53<sup>rd</sup> Annual Conference of Association of Microbiologists of India. International conference on “ Microbial World: Recent innovations and future Trends” held at Kalinga Institute of Industrial Technology, Bhubaneswar on 22-25<sup>th</sup> Nov. 2012
- 2012** : Attended UGC Sponsored State level Seminar on “ Exploring Horizons in Microbial Technology” held at Rajarshi Shau Mahavidyalaya, Latur on 21<sup>st</sup> Jan. 2012
- 2011** : Attended International conference on “Biotechnology for Sustainable Development” held at Panjab University on 03-06 Nov 2011. (Association of Microbiologists of India)
- 2010** : Attended International conference on “Recent Advances in

- Cross disciplinary Microbiology-Avenues and Challenges” to be held at BITS Meshra, Ranchi, Jharkhand from 14-18 Dec’2010 (Association of Microbiologists of India)
- 2009** : Attended International conference on Golden Era of Microbiology to be held at National Chemical Laboratory, Pune from 15<sup>th</sup> – 18<sup>th</sup> Dec. 2009 (Association of Microbiologists of India)
- 2008** : Attended international conference on Microbial Biotechnology: Diversity, Genomic and Metagenomics organised by Association of Microbiologists of India at Delhi University. (18-20 Nov.2008) (Association of Microbiologists of India)
- 2007** : Attended DBT Sponsored National level Seminar on “ Commercialisation of Biotechnology in India- Opportunities and Challenges”. (29-30 Sept. 2007)
- 2007** : Attended Conference on “Biofactorieas of Future” organised by Association of Microbiologists of India at Indian Institute of Technology Madras, Chennai. (17-20Dec.2007)
- 2006** : Attended conference on Microbial Biotechnology: organised by Association of Microbiologists of India at Barkhatulla University, Bhopal (6-8 Dec.2006)
- 2006** : Attended National seminar on “ Microbial Technology for sustainable Agriculture” Organised by Department of Microbiology, D.B.F. Dayanand college, Solapur. (23-24 Jan.2006)
- 2005** : Attended UGC Sponsored State level Seminar on “ Recent Materials, Devices and Technology in Physics and electronics  
: , Organised by Department of Physics and Electronics, Shri Shivaji Mahavidyalaya, Barshi. (28-29 Dec. 2005)
- 2005** : Attended 16<sup>th</sup> Annual Conference “Recent Topics in Algebra and Complex Analysis” Organised by Department of Maths, Shivaji Mahavidyalaya, Barshi. (13-14 Jan.. 2005)
- 2004** : Attended a National level Seminar on “ Paryavaran Pradushan and Jaivatantriya Niyanttran” Organized by Y.C. College of

- Science, Karad. (21 Feb. 2004)
- 2004** : Attended a One-day Workshop on Use of Internet organized by Shri Shivaji Mahavidyalaya, Barshi. (28 Feb. 2004)
- 2002** : Attended UGC Sponsored National level Seminar on “Microbial Technology in Agriculture and Industry” Organized by Department of Microbiology, Y.C. Institute of Science, Satara. (16 Mar. 2002)
- 2002** : Attended COURT-2002 (Campaign on University Research and Training) Organized by Shivaji University, Kolhapur. (10-11 Mar. 2002)
- 2001** : Attended international conference of SAARC Countries on “Biotechnology in agriculture, industry and Environment organized by Y.C. College of Science, Karad. (28-30 Dec.2001)
- 2001** : Attended COURT-2001 (Campaign on University Research and Training) Organized by Shivaji University, Kolhapur. (11 Mar. 2001)
- 2000** : Attended a UGC Sponsored National Seminar on Environment Conservation organized by S B Z Mahavidyalaya, Barshi. (15 Oct.2000)
- 1992** : **Attended International Conference of Water Malaysia organised by ASPAC-IWSA Regional water Supply, Kualalumpur, Malaysia. (26-30 Oct.1992)**
- 1992** : Attended COSIP Seminar organised by Department of Microbiology, Science College, Satara. (25-26 Jun.1992)
- 1991** : Attended UGC Sponsored COSIP Seminar at Pandharpur College, Pandharpur. (27 Mar.1991)
- 1990** : **Attended International Conference of Water and Waste water International organised by Water and Waste water International. Barcelona, Spain (24-27 April.1990)**
- 1989** : Attended One Day Link Symposium on Science Subjects Organized by Shri Shivaji Mahavidyalaya, Barshi (1989)
- 1988** : Attended Conference of Association of Microbiologists of India organised by Department of Microbiology, Pune University,

Pune. (16-18 Jan.1988)

**Conferences / Symposia / Seminars Organised:**

**International Conferences organized.**

- 2013** : Organized International Conference on ‘Emerging Horizons in Biochemical Sciences and Nanomaterials’ organized by Dept of Microbiology and Chemistry, Shri Shivaji Mahavidyalaya, Barshi on 28-30<sup>th</sup> Nov 2013.
- 2013** : Organised 54<sup>th</sup> Annual Conference of Association of Microbiologists of India and Platinum Jubilee Celebrations of Association of Microbiologists of India. International conference on “ Frontier Discoveries and Innovations in Microbiology and Its interdisciplinary rganized ” held at Maharshi Dayanand University, Rohtak on 17-20 Nov 2013
- 2012** : Organised 53<sup>rd</sup> Annual Conference of Association of Microbiologists of India. International conference on “ Microbial World: Recent innovations and future Trends” held at Kalinga Institute of Industrial Technology, Bhubaneswar on 22-25<sup>th</sup> Nov. 2012
- 2011** : Organized International conference on “Biotechnology for Sustainable Development” held at Panjab University, Chandigarh on 03-06 Nov 2011.
- 2010** : Organized International conference on “Recent Advances in Cross disciplinary Microbiology-Avenues and Challenges” to be held at BITS Meshra, Ranchi, Jharkhand from 14-18 Dec’2010  
(Association of Microbiologists of India)
- 2009** : Organized International conference on Golden Era of Microbiology to be held at National Chemical Laboratory, Pune from 15<sup>th</sup> – 18<sup>th</sup> Dec. 2009  
(Association of Microbiologists of India)
- 2008** : Organized international conference on Microbial Biotechnology: Diversity, Genomic and Metagenomics organised by Association of Microbiologists of India at Delhi University. (18-20

Nov.2008)

**National Conferences organized:**

- 2010** Member of Organizing Committee of one day workshop on B.Sc. III Microbiology Syllabus sponsored by Solapur University, Solapur on 7<sup>th</sup> Feb 2010
- 2007** : **Organizing secretary** of two day U.G.C. Sponsored Seminar on “Biotechnology for Sustainable Development” Organized by Department of Microbiology, Shivaji Mahavidyalaya, Barshi. From 12<sup>th</sup> 7 13<sup>th</sup> Feb 2007
- 2001** : Member of Organizing Committee and scientific Advisory committee of “International conference of SAARC Countries on “Biotechnology in Agriculture, Industry and Environment at Yashwantrao Chavan College of Science, Karad. Organized by Microbiologists Society. (28-30 Dec. 2001)
- 2000** : Treasurer and Member of Organizing Committee of U.G.C. sponsored One Day Seminar on “Environmental Awareness and Its Social Aspects”. Organized by Shri Shivaji Mahavidyalaya, Barshi (2000)
- 1989** : Member of organizing Committee of One Day Link Symposium on Science Subjects Organized by Shri Shivaji Mahavidyalaya, Barshi (1989)
- 1988** : Attended and Orally presented a Research Paper entitled Production of Biogas from textile sizing waste. In Seminar on energy recovery from municipal waste at Pune 27-28 August, 1988.

**Chairperson/ Member of Advisory Committee in National and International Conferences**

- 1990** : **Chairperson for Technical Session in** International conference organised by Water and Waste Water International, USA held at Barcelona , Spain from 24-27 April 1990
- 2011** : **Member of Advisory committee of** International conference organised by Microbiologists Society on Biotechnology for Better Tomorrow held at MGM,S Institute of Biotechnology

from 9-11Feb 2011.

- 2011** : **Chairperson for Technical Session in** International conference organised by Microbiologists Society on Biotechnology for Better Tomorrow held at MGM,S Institute of Biotechnology from 9-11Feb 2011.
- 2011** : **Member of Advisory committee of** UGC Sponsored National conference on Innovations in Biosciences held at R.A. Arts, Shri M.K. Commerce and Shri S.R. Ratht Science Mahavidyalaya, Washim from 14-15 Oct 2011.
- 2011** : **Chairperson for Technical Session in** UGC Sponsored National conference on Innovations in Biosciences held at R.A. Arts, Shri M.K. Commerce and Shri S.R. Ratht Science Mahavidyalaya, Washim from 14-15 Oct 2011.
- 2012** : **Member of Advisory committee of** UGC Sponsored State level Seminar on “ Exploring Horizons in Microbial Technology” held at Rajarshi Shau Mahavidyalaya, Latur on 21<sup>st</sup> Jan. 2012
- 2012** : **Chairperson for Technical Session in** UGC Sponsored State level Seminar on “ Exploring Horizons in Microbial Technology” held at Rajarshi Shau Mahavidyalaya, Latur on 21<sup>st</sup> Jan. 2012
- 2012** : **Member Advisory Board- Sakolkar Life Sciences, Aurangabad.**
- 2014** : **Chaired Session** in UGC sponsored conference on “Recent Trends & Future Prospectus in Multidisciplinary rganized in Microbiology-2014” rganized by Dept of Microbiology, Govt Rajaram College, Kolhapur on 4-5<sup>th</sup> Oct 2014
- 2015** : **Chairperson for Technical Session in** International conference on “Contemporary Research in Chemical and Life Sciences” held at Sadguru Ghadage Maharaj College, Karad on 22<sup>nd</sup> & 23 April 2015
- 2015** : **Examiner for Poster Session in** International conference on “Contemporary Research in Chemical and Life Sciences” held

at Sadguru Ghadage Maharaj College, Karad on 22<sup>nd</sup> & 23 April 2015

- 2016** : **Patron** for One day National Seminar on ' Bio prospecting Microorganisms from Marine Environment- Hunt for Treasure to Pleasure held on 8<sup>th</sup> Jan 2016 at Karmaveer Bhaurao Patil College, Vashi, New Mumbai
- 2017** : **Chairperson for Oral presentation at Emerging Trends and Challenges in Science Technology and Society held at University of Mauritius, Le Reduit, Mauritius on 12-16<sup>th</sup> May 2017**

**Resource Person for Seminars/ Conferences:**

- 2004** : One day Seminar 'Interview Training class for Sc ST students' organized by Shivaji University, Kolhapur on 20/01/2004.
- 2008** : One Day Seminar on " Gene, Genetics and DNA" organized by DSM College, Parbhani. (25 Jan.2008)
- 2008** : One Day Seminar on " Opportunities to Microbiology Students in India and Abroad." Organized by Miraj Mahavidyalaya, Miraj. (22 Jan. 2008)
- 2009** : U.G.C. Sponsored State level Conference on " Global Warming" Held at Vyankatesh Mahajan Mahavidyalaya, Osmanabad on 22<sup>nd</sup> March 2009
- 2009** : NET Coaching classes Sponsored by UGC, New Delhi organized by Department of Microbiology, Shivaji University, Kolhapur.
- 2009** : M.Sc. Microbiology revised Syllabus Workshop organized by Dr. Babasahaeb Ambedkar Marathwada University, Aurangabad, Subcenter Osmanabad. On 9<sup>th</sup> August 2009
- 2010** : U.G.C. Sponsored State level Seminar on "Recent Trends in Microbial technology" held at Deogiri College, Aurangabad on 11<sup>th</sup> Feb 2010
- 2010** : U.G.C. Sponsored National level Conference on " Technology Foresight in Life Sciences". Held at Maulana Azad College of



- Arts, Science and Commerce from 20-21 Feb 2010
- 2011** : State level seminar on “ Microbiology in 21<sup>st</sup> Century” Organised by Department of Microbiology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune from 25-26<sup>th</sup> Feb 2011.
- 2011** : Two Day National Conference on ‘ MICROCON11’ Organised by Panjab University, Chandigarh on 11-12 Jan 2011.
- 2012** : National Conference on Bird’s Eye view of BioSciences Research and Academics organized by MGM’s Institute of Biosciences and Technology from 16-18 Feb 2012
- 2012** : **Invited Resource Person (Speaker)** in International conference on organized by The Microbiologists Society, India and Sherubtse College, Royal University of Bhutan, Kanglung, Bhutan KANGLUNG, Bhutan on 11-12 May 2012.
- 2013** : **Invited Resource Person (Key Note address and Speaker)** at National Seminar on Research: Proposal, ations, Impact Factor. Organized by College of Education on 24<sup>th</sup> Feb 2013.
- 2013** : **Invited Resource Person** at National Seminar ‘ Recent Trends in Biodiversity and Environmental Science’ organized by Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya, Kadegaon on 3-4 Oct 2013.
- 2013** : **Invited Resource Person (Key Note address and Speaker)** at State level Seminar on Research: Pure Water for Better Tomorrow organized by R L T Science College, Akola on 10<sup>th</sup> Oct 2013.
- 2013** : **Invited Resource Person** for 100<sup>th</sup> Orientation organized by Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad on 16 Dec 2013
- 2014** : **Invited Resource Person** for Refresher Course in Life Sciences organized by Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad on 18 Jan 2014

- 2014** : **Invited Resource Person** for 103th Orientation organized by Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad on 18 th June 2014.
- 2014** : **Invited Resource Person** for INSPIRE Internship Programme 2013-2014 organized by Dr Patangrao Kadam Mahavidyalaya, Sangli on 5-9 August 2014.
- 2014** : **Invited Resource Person for International Conference Biotechnology and Bioengineering organized by BITS Pilani, Dubai Campus on 29-30<sup>th</sup> Oct 2014**
- 2014** : **Invited Resource Person** for Special Winter School Programme organized by Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad on 7<sup>th</sup> Nov 2014
- 2014** : 55<sup>th</sup> Annual Conference of Association of Microbiologists of India, National Conference on Empowering Mankind with Microbial Technologies held at Tamilnadu Agriculture University Coimbatore. From November 12<sup>th</sup> – 14<sup>th</sup>, 2014
- 2014** : **Invited Resource Person** NET Coaching classes Sponsored by UGC, New Delhi organized by Department of Microbiology, Shivaji University, Kolhapur.03/12/2014
- 2015** : **Invited Resource Person** for 108<sup>th</sup> Orientation Programme organized by Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad on 7<sup>th</sup> Feb 2015
- 2015** : **Invited Resource Person** for STC on Professional development for Senior faculty organized by Academic Staff College, Dr Babasaheb Ambedkar Marathwada University, Aurangabad on 6<sup>th</sup> Feb 2015
- 2015** : **Invited Resource Person** for STC on Curriculum and Research organized by Human Resource Development Center, Dr Babasaheb Ambedkar Marathwada University, Aurangabad on 9<sup>th</sup> June 2015
- 2017** : **Invited Resource Person at Emerging Trends and Challenges in Science Technology and Society held at University of Mauritius, Le Reduit, Mauritius on 12-16<sup>th</sup> May 2017**

- 2017 : **Resource Person** UGC HRC Savitribai Phule Pune University, Pune, Orientation course at T C College Baramati on ICT
- 2017 : **Resource person for International conference Organized by Association of Microbiologists of India to be held at Dr Bhimarao Ambedkar Central University, Lucknow from 16-19<sup>th</sup> Nov 2017**

**Ph.D./ M.Phil/ M.Sc. Refree**

1. : **Mrunalini B R. Guide S T Girisha** Evaluation of Bacteria for Biodiesel Production. Bangalore University, Bangalore
2. **Komal Bhise Guide Dandage** Development of salt tolerance in saline soilcrops using plant growth promoting bacteria Shivaji University, Kolhapur
3. : **Mrs Neha A.Mupidwar Guide Anil Ingale**  
Antibacterial activity of *Lactobacillus* and *Propionibacterium* species against drug resistant *Salmonella* species. Sant Tukdoji maharaj University, Nagpur
4. : **Mira Londhe Guide Khambe S D.** Isolation, Purification and Characterization of Biosurfactants produced from *Chlorella Sp.* and its commercial applications. 2016 Shivaji University, Kolhapur.
5. : **Deepali R paraskar Guide Nanoty V D S G B** Amaravati University Amaravati
6. : **Vinity D Vaidya Guide Thirthprasaad** Cloning and Characterization of Fructosyltransferase (FTFs) and their trasgenic expression 2016 Shivaji University, Kolhapur
7. : **Keshav Shankarrao Shinde Guide Thakare D B** Production, Extraction, Purification and Characterization of Exopolysaccharide produced by *Rhizobium Species(R-ARIS-1)* isolated from *Aeschenomene indica* Mumbai University 2015
8. **Chidambar B. Jalkute Guide Prof. K.D. Sonawane.**

9. : **Desai Nishith Jyotindra Jayashri Guide Thakare D B** Risk Assessment Of Spoilage Causing And Pathogenic Microorganisms In Milk Products Using Mathematical Approaches Mumbai University. 2015
10. : Studies on Angiotensin converting enzyme and related proteases from Microbial source and their role in AB peptide degradation. 2015 **Shivaji University, Kolhapur**
11. : **Swpnali D. Sirsat- Guide Dr. Tambekar D.H.** Topic-Studies on influence of hand washing on reduction and minimization of transmission of Bacterial enteric infections among the School children in urban areas of Amaravati district.-**2013** Sant Ghadage Baba Amaravati University, Amaravati.
12. : **Pravin Vasanttrao Gadakha. Dr D.H. Tambekar.** Studies on Biosurfactant production by Bacterial isolates from Petroleum Contaminated Soils.**2013.** Sant Ghadage Baba Amaravati University, Amaravati.
13. : **Deepak U. Bhusare- Guide Dr Wakte P.S.** Topic Optimization and Characterization of Protease by *Bacillus sp.* isolated from hot sulphur spring of Unkeshwar- **2013** Swami Ramanand Thirth Marathwada University, Nanded.
14. : **Rajeshri P. Ghorpade- Guide Dr. R.H. Balasubramanya** Topic- Microbial retting of Banana pseudostem for extracting Textile grade fibers and value addition to By products.- **2013** Mumbai University Mumbai.
15. : **Bhagyashri S. Khante- Guide Dr D.H. Tambekar-** Topic microbial properties of traditional medicinal plants of forest of Amaravati district- **2012** Sant Ghadage Baba Amaravati University, Amaravati.
16. : **Mohammad Asif Iqbal- Guide Dr S.G. Gupta-** Topic- **2011** Dr Babasaheb Ambedkar University, Aurangabad.
17. : Abhay **Solunke- Guide hamade V.S.** Topic- **2010** Dr Babasaheb Ambedkar University, Aurangabad.
18. : **R.R. Tambioli-** Guide Awashthi R.S. Topic- Studies on

- Diazotropic Endophytes-2009 Swami Ramanand Thirth Marathwada University, Nanded.
19. : **Shashi P Jambulkar** Guide Arun B Ingale Evaluation of Antibacterial activity of *Lactobacillus* and *Propionibacterium* species against drug resistant *Salmonella spp.*
- 20 : **K Balkrishna** Guide B Bhima Study on Enzyme production, Biological detoxification and Probiotic Enrichment of *Jatropha* Deoiled seed cake. **Osmania University Hyderabad 2018**
- 21 : **Praveen Kumar K** Guide B .Bhima Bioconversion of Cotton stalk into ethanol by *Saccharomyces cerevisiae* and *Schefferomyces stipitis*. **Osmania University Hyderabad 2018**
- 22 : **Deepika N Jain** Guide Vilas A Kambale Isolation, Identification and Molecular Characterization of pathogenic bacteria. **S G B Amaravati University, Amaravati**
- 23 : **Latika P Shendre** Guide S D Patil Production of ecofriendly biosurfactant using low cost substrate and their applications in pesticide degradation in Soil. **S G B Amaravati University, Amaravati.**
- 24 : **DAmale Pradnya Umesh** Guide Varsha K VAidya. Characterization and optimization of poly B hydroxyl butyrate production by microbial isolate obtained from Soil. **Mumbai University, Mumbai**
- : Shivaji University, Kolhapur

#### **Selection Committee**

- 2009 : Member of Selection committee of appointment of University lecturers at Shivaji University, Kolhapur (Chairman –Hon Vice Chancellor)
- 2010 : Member of Selection committee of appointment of University Assistant and Associate Professors at Shivaji University, Kolhapur (Chairman –Hon Vice Chancellor)
- 2012 : Member of Selection committee of appointment of University

Assistant and Associate Professors at Swami Ramanand Thirth Marathwada university, Nanded (Chairman –Hon Vice Chancellor)

**2016** : Member of Selection committee for PROFESSOR In Microbiology at Wilson College, Mumbai

**Member of Board of Studies:**

- : Member of Board of Studies in Microbiology as Eminent at Swami Ramanand Thith Marathwada University, Nanded.(2006-2011)
- : Member of Board of Studies in Microbiology and Biotechnology as Eminent at Krishna Institute of Medical Sciences University, Karad.(2008-2013)
- : Member of Board of Studies in BFTM as Eminent at Shivaji University, Kolhapur.(2004-2009)
- : Member of Board of Studies in Microbiology and Biotechnology Solapur University, Solapur (2010-2015)
- : Member of Faculty of Science Solapur University, Solapur. (2010-2015)
- : **Member of Board of Studies in Microbiology and Biotechnology Krishna Institute of Medical Sciences Deemed University, Karad (2016-2019)**
- : **Member Research and Recognition Committee Solapur University, Solapur (2010-2015)**
- : **Member of Board of Studies in Microbiology, Rajarshi Shahu Mahavidyalaya, Latur (From 2015)**
- : **Member of Board of Studis in Microbiology Solapur University, Solapur (2017-2022)**
- : **Member Research and Recognition committee Solapur University, Solapur (2017-2022)**
- : **Member of Board of Studies in Microbiology Shivaji University, Kolhapur (2018-2022)**
- : **Member of Board of Studies in Microbiology Dr Babasaheb Ambedkar Marathwada University, Aurangabad (2018-**

2022)

- : **Member of Board of Studies in Microbiology Yashwantrao Chavan Institute of Science Satara (Aotonomous) (2017-2022)**
- : **Member of Board of Studies in Food Science Yashwantrao Chavan Institute of Science Satara (Aotonomous) (2017-2022)**

**Refresher Courses attended:**

- 2014** : Short term 'Molecular Biology Workshop' at Wilson College, Mumbai. Organized by Lady Tata Memorial Trust, Mumbai. 19-23 Aug 2014
- 1992** : Refresher Course in Env. Science organized by Department of Env. Science. (15 Dec.1992-11 Jan.1993)
- 1993** : Refresher Course in Microbiology organized by Department of Microbiology, Institute of Science, Mumbai (24 Aug.-18 sept.1993)
- 1996** : Refresher Course in Life Science-Microbiology organized by Goa University, Goa. (3-23 Oct.1996)
- 1999** : Refresher Course in Biotechnology organized by Goa University, Goa. (17 Sept.-7 Oct.1999)

**Visiting Faculty:**

- : College of Engineering, Pandharpur.
- : Dr. Babasaheb Ambedkar Marathwada University, Subcenter, Osmanabad.
- : College of Nursing, Barshi.
- : College of Education (M.Ed.), Barshi.
- : Jagadamba College of Education (M.Ed.), Vairag.
- : Swami Samartha College of Education (M.Ed.), Barshi

**Awards:**

- : **Young Scientist Award** In Water and Wastewater International Conference held at **BARCELONA SPAIN 1990**  
Swami Vivekanand Gaurao Puraskar'2006 By Preetisangam

Trust, Karad. **(Best Teacher)-2006**

- : Karmaveer Bhaurao Patil **Adarsh Shikshak Puraskar** 2007 by Human Welfare Social Organization Mumbai. **(Best Teacher)**
- : Chhatrapati Shahu Maharaj **Social Welfare** Puraskar 2007 by Human Welfare Social Organization Mumbai.
- : **Best Teacher** by Lokmangal Pratishthan, Solapur -2008
- : **Best Teacher Award-** Bheem Pratishthan, Solapur-2009
- : **Best Teacher Award-** Maratha Seva Sangh,2009
- : **Best Teacher** Award Sawant Pratishthan, Pandharpur,2009
- : **Best Teacher** Award Mahatma Phule Samata Pratishthan, Fulchincholi, Pandharpur,2010
- : **Distinguished Best Reasher and Academician Award by Bionano Frontier at International Conference Emerging trends and Challenges inScience Technology and Society held at University of Mauritius, Le Reduit, Mauritius**

#### **Research Activities**

- : UGC Minor Research Project entitled “Chemical and Bacteriological examination of Surface and Undergrounds drinking water around Barshi area”- **Chief Investigator** Period-2005-2007 (Completed) 85,000/00
- : UGC Minor Research Project entitled “Impact of mass bathing on Physico-Chemical and Bacteriological parameters of Bhima River water at Pandharpur”- as Co- Investigator Period-2005-2007 (Completed) 65,000/00
- : **UGC Major Research Project entitled “ Decolourization and Degradation of Textile Azo Dyes” Sanctioned amount- Rs. 10, 92, 800/00 (2009-2012) Completed**

#### **M.Sc. Research Projects Completed**

- 2007** : M. Sc. Research Project- Studies on Decolourization of Some Textile Azo Dyes by some Bacteria. **(As Guide) Completed.**
- 2007** : M. Sc. research Project- Antibacterial activity of Some Plant extracts on Pathogenic Bacteria. **(As Guide) Completed.**



- 2008** : M. Sc. Project -Decolourization and Degradation of Golden Yellow HE2R, Reactive Red M5B, and Reactive Green HE Series by Bacteria. . **(As Guide) Completed.**
- 2008** : M.Sc. Project- Production and characterization of Inulinases from soil microorganisms". **(As Guide) Completed.**
- 2009** : Production, Purification and Optimization of Activity of Amylase Enzyme from Halophilic Bacteria **(As Guide) Completed.**
- 2009** Production and Characterization of Dextranase from spoiled Fruits. **(As Guide) Completed.**
- 2010** : Decolourization and Degradation of Navy Blue RX, Yellow F3R and Red HE3B dyes by bacteria **(As Guide) Completed.**
- 2010** : Antibacterial activity of Bacteriocin from lactic Acid Bacteria **(As Guide) Completed.**
- 2011** : Antibacterial activity of some Medicinal Plants against some Pathogenic bacteria. **(As Guide) Completed.**
- 2011** : Isolation and Characterization of Amylase producing organisms from Soil. **(As Guide) Completed.**
- 2011** : Isolation of Phosphate solubilizing bacteria from soil. **(As Guide) Completed.**
- 2012** : Studies on sensitivity pattern of common pathogens isolated from Barshi Town against Quinolones. **(As Guide) Completed.**
- 2015** : Studies on degradation of Congo Red by bacteria **(As Guide) Completed.**
- 2015** : Production of Bacteriocin by Lactobacilli isolated from different milk samples and their antibacterial activity. **(As Guide) Completed.**

**Guiding to Research Students:**

- : Passed **Two M.Phil.** Students in Microbiology.  
Registered Seven students for Ph.D. (Solapur University, Solapur)  
**AWARDED - SIX CANDIDATES Ph.D degree**

**PATENTS** : **TWO INDIAN PATENTS- 295/MUM/2011-01.04.2011**  
**296/MUM/2011-01.04.2011**

**Technology Transfer : PROBIOTICS: To MARIGOLD PHARMACEUTICALS**

**Member of Board of Paper Setters and Examiners:**

- : Paper and Examiner (Theory and Practical)-Solapur University, Solapur
- : Paper and Examiner (Theory and Practical)-Shivaji University, Kolhapur. (B.F.T.M.)
- : Paper and Examiner (Theory and Practical)-Swami Ramanand Thirth Marathwada University, Nanded.
- : Paper and Examiner (Theory and Practical)-Dr. Babasaheb Ambedkar Marathwada University Subcenter, Osmanabad.
- : Paper and Examiner (Theory and Practical)-Krishna Institute of Medical Sciences University, Karad.
- : Paper and Examiner (Theory and Practical)-Pravara institute of Medical Sciences University, Loni , Pravaranagar.
- : **Examiner (Practical)- Osmania University, Hyderabad.**

**Member of Professional Bodies:**

- : **Member of CENTRAL EXECUTIVE COUNCIL of AMI, New Delhi (2008,2009,2010) (2011,2012,2013)**
- : Secretary and Treasurer of Association of Microbiologists of India Barshi-Solapur Chapter
- : Life Member - Water and wastewater International (USA)
- : Life Member -Microbiologists society.
- : Life Member – Journal of Nature Environment and Pollution Technology, Jaipur
- : Life Member Biotechnology Research Society of India, Trivendrum
- : Member of – Indian Journal of Microbiology.
- : Life Member – Association of Microbiologist of India (AMI)
- : Life Member – SUTA
- : Life member of Indian Red Cross Society, Barshi.

: Life Member of Maratha Seva Sangh.

**Member of Editorial Board of Research Journals:**

- : 1. Handling Editor and Member of Editorial Board of Online Journal of Biological Sciences, USA.**
- 2. Member of Editorial Board of World Journal of Biological Sciences**
- 3. Member of Editorial Board of World Journal of Applied Environmental Chemistry**
- 4. Member of Editorial Board of Journal of Microbial World.**
- 5. Member of Editorial Board of Indian Journal of Microbiology. (Impact Factor-0.938)**
- 6. Member of Editorial Board of Emperical Journal of Biology.**
- 7. Member of Editorial Board Bionano Frontier. (Impact Factor- 0.2334)**
- 8. Member of Editorial Board and Referee of International Journal of Environmental Research, Iran**
- 9. Member of Editorial Board and Referee of International Journal of Medicine and Midical Microbiology,China**
- 10. Member of Editorial Board Universal Journal Environmental Research and Technology**

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1. **Thorat, P.R.** and Pathade G.R. (2005) Treatment of Textile industry wastewater by chemical coagulation process *Nature Environ. Poll. Technol.* Vol. 4(2), 233-236.
2. **Thorat P.R.** and Pathade G.R. (2006) Two stage Anaerobic- Aerobic Treatment of textile Industry wastewater. *J. Microbial World.* Vol. 8 (1) 95-100
3. **Thorat P.R.** (2007) Chemical and Bacteriological Status of Underground Water around Barshi area of Solapur District in Maharashtra- *J. Microbial World.* Vol. 9 (2) 201-204
4. Jadhav, U.N., **Thorat, P.R.** and Deshmukh, A.M. (2008) Decolourization of textile dye- Rem Red by *Micromonospora* spp. *Nature Environ. Poll. Technol.* Vol. 7(1), 129-132
5. Kale, R.V. and **Thorat, P.R.** (2010). Decolorization and Degradation of Reactive Red M5B by Aerobic Bacteria. *J. Microbial World.* 12(1): 53 – 60.
6. Kale, R.V., Sabale, M.M. and **Thorat, P.R.** (2010). Decolorization and Degradation of Textile Azo Dye Golden Yellow HE2R by Adapted Bacteria. *Nature Environ. Poll. Technol.* Vol. 9(2): 351 – 354.
7. **Thorat, P.R.** and Kale, R.V. (2010). Biotransformation of Yellow 4G and Orange 2R dye by Acclimatized Aerobic Bacteria. *Nature Environ. Poll. Technol* Vol. 9 (3) 563-568.
8. **Thorat,P.R.** and Sayyad, M. (2010) Microbial decolourization and degradation of crystal violet by aerobic bacteria. *Bioscan Journal* Vol 5( 4) 591-594.
9. Kale R.V. & Thorat P.R. (2011) Decolorization and Degradation of Acid Blue 113 by *Kulyvera cryocrescens* ATCC 33435 (T) *Int. J. Biotech & Biosci.* Vol. 1 (1) : pp 97-101
10. Mane, D.B., Thorat P.R. and Pathade G.R (2011) Antimicrobial Susceptibility Patterns of *Pseudomonas aeruginosa* Isolates From Burn Wounds *Bioscan Journal* Vol(6)No3 521-524.
11. Kale, R.V. and **Thorat, P.R.** (2011) Decolorization and Degradation of Azo Dye Reactive Orange 16 by Aerobic Bacteria. *Avishkar Journal Solapur University*, Vol 1 37-41
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18. Shertate R.S. and **Thorat P.R.**(2013) Decolorization and Biodegradation of Acid Yellow-25 by *Marinobacter bryozorum AY-17* *Bionano Frontier* vol 6 (1) 40-44 **Impact Factor-0.42**
19. Kanyakumari P .Shinde and **Thorat P. R.** (2013) Biodecolorization of Diazo Dye Direct Red 28(Direct Red 28) by *Aspergillus aculeatus TSF-05* *Bionano Frontier* vol 6 (1) 45-49 **Impact Factor-0.42**
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38. Dulange S.M. and **Thorat P.R.** (2015) Prevalence of *Pseudomonas aeruginosa* in post operative wound infections in Hospitals of Omerga region (Maharashtra), India. *Int. J. Pharm. Sci. Rev. Res.* 31 (2) 218-220. **Impact factor-**
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1. **Thorat, P.R.** and Kapadnis, B.P. (1988) production of Biogas from textile sizing waste. Presented and published in proceeding of seminar on energy recovery from municipal waste at Pune 27-28 August, 1988.
2. **Thorat, P.R.** and Kapadnis, B.P. (1988) Treatability Study of textile dyeing effluent, IAWPC, Tech. Annual 15, 110-114.
3. **Thorat, P.R.** and Kapadnis, B.P. (1990) Removal of colour from textile dyeing wastewater. Presented and published in proceeding of International Conference Water and Wastewater '90 at Barcelona, Spain.
4. **Thorat, P.R.** and Kapadnis, B.P. (1990) Treatment of textile dyeing wastewater with combined chemical coagulation and activated sludge process.

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5. **Thorat, P.R.** and Kapadnis, B.P. (1991) Treatment of effluent with the activated sludge process. Proceedings of International conference on Environmental Pollution Lisbon, Portugal Ed. Bhaskar Nath Geneva Interscience Enterprises 680-685.
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### **Chapter in Book having ISBN No 81-85771-26-X**

1. **Thorat P.R.** and Pathade G.R.(2001) Textile Wastes: Characterization and

Treatment Environmental Pollution and Management of Wastewaters by

Microbial techniques.( Eds- G.R. Pathade and P.K. Goel, ABD Publisher

Jaipur) 316-325 ISBN-81-85771-26-X

2. **Thorat P.R.** Microbiology II (Ed Jadhav A.R.) -1998. Publisher Mrs P.A. Jadhav
3. **Thorat P.R.** Text book of Microbiology (Ed A.R. Jadhav)- Shri Ram Publications, Islampur-2007
4. **Thorat P.R.** History of Microbiology and Microbiological Methods.

Atharva

Publications, Mumbai

### **List of abstracts published and presented in Seminars/Conferences/Symposia**

1. **Thorat, P.R.** and Kapadnis B.P. (1988) Microbial treatment of textile dye effluent. Presented Association of Microbiologists of India XXVII Annual



Conference organized by Dept of Microbiology University of Pune, Pune (16-18) Jan 1988. Page 81

2. **Thorat, P.R.** and Pathade G.R. (2001) Characterization and treatment of textile wastes. Presented at UGC sponsored International Conference of SAARC Countries on Biotechnology in Agriculture, Industry and Environment organized by Yashwantreao Chavan College of Science, Karad and Microbiologists society, Karad. 28-30 Dec.2001. Page 165.
3. **Thorat, P.R.** and Pathade G.R. (2006) Aerobic treatment of textile wastewaters by developed mixed seed culture presented at UGC sponsored National conference on Microbial Technology for sustainable agriculture organized by Dept of Microbiology, D B F Dayanand College of Arts and Science, Solapur. 23-24 Jan 2006 Page 97
4. Dangare V.P., Zende D.J and **Thorat, P.R.** (2006) Biotransformation of Azo dyes presented at 47<sup>th</sup> Annual conference of Association of Microbiologists of India Microbiology: The Challenges Ahead organized by Dept of Biotechnology and Bioinformatics Barktulla University, Bhopal. 6-8 Dec.2006 Page 283
5. Kale R.V., Sabale, M.M., Thombare, M.S., **Thorat P.R.** and Deokar, S.D. (2007) Bacteriological and chemical analysis of borewell water In Barshi area of Solapur district. 48<sup>th</sup> Annual conference of Association of Microbiologists of India Microbes: Biofactories of tne future organized by Dept of Biotechnology, Indian Institute of Technology Madras, Chennai. 18-21 Dec. 2007. Page 342
6. Sabale, M.M .,Kale R.V., Zende D.J., Dangare V.P and **Thorat P.R.** (2007) Microbial decolourization and degradation of Crystal violet by aerobic bacteria. 48<sup>th</sup> Annual conference of Association of Microbiologists of India Microbes: Biofactories of tne future organized by Dept of Biotechnology, Indian Institute of Technology Madras, Chennai. 18-21 Dec. 2007. Page 344
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India Microbes: Biofactories of the future organized by Dept of Biotechnology, Indian Institute of Technology Madras, Chennai. 18-21 Dec. 2007. Page 203

8. Shahane, V.S., Kulkarni V.A., Kale R.V., Sabale, M.M. and **Thorat P.R.** (2008) Biotransformation of Textile azo dye Golden Yellow HE2R. 48<sup>th</sup> Annual conference of Association of Microbiologists of India and International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics organized by Department of Zoology North Campus and Department of Microbiology, South Campus, University of Delhi. 18-20 Dec 2008. Page 103
9. Kulkarni V.V., Kale R.V., Sabale, M.M. and **Thorat P.R.** (2008) Degradation studies on textile azo dye reactive red M5B by acclimatized bacteria. 48<sup>th</sup> Annual conference of Association of Microbiologists of India and International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics organized by Department of Zoology North Campus and Department of Microbiology, South Campus, University of Delhi. 18-20 Dec 2008. Page 104
10. Raut A.S., Gurav, V.B., Patil L.S., Powar A.V., Vijapure S.M. and **Thorat P.R.** (2008) Production and characterization of Exoamylase from bacterial strain B-8 and B-12. 48<sup>th</sup> Annual conference of Association of Microbiologists of India and International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics organized by Department of Zoology North Campus and Department of Microbiology, South Campus, University of Delhi. 18-20 Dec 2008. Page 173
11. Kale R.V. and **Thorat P.R.** (2009) Decolourization and degradation of textile azo dyes by acclimatized bacteria. 50<sup>th</sup> Annual Conference of Association of Microbiologists of India Third era golden of Microbiology organized by National Chemical Laboratory, Department of Microbiology University of Pune. 15-18 Dec 2009. Page 116
12. Mukane, D.D., Kulkarni, V.A., Shahane, V.S., Karad, D.D. and **Thorat P.R.** (2009) Decolourization of textile dye Red 5B by adapted bacteria. 50<sup>th</sup> Annual

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17. Kale R.V. and **Thorat P.R.** (2010) Decolourization and Degradation of Acid Blue 113 by *Kulyvera cryocrescens* ATCC 33435 (T) 51<sup>st</sup> Annual conference of Association of Microbiologists of India International Symposium on Recent Advances in Cross Disciplinary Microbiology: Avenues and Challenges

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18. Kale R.V. and **Thorat P.R.** (2011) Biotransformation of Textile Azo dyes Reactive Orange 16 and Orange 2 R by aerobic Bacteria. 52<sup>nd</sup> Annual conference of Association of Microbiologists of India International Conference on Microbial Biotechnology for Sustainable Development organized by panjab University, Chandigarh on 3-6 Nov 2011 Page 106
19. Shertate R.S. and **Thorat P.R.** (2012) Decolourization and Biodegradation of Textile dye Mordant Orange 1 by *Marinobacter salicamp MO 13* in Marine Environment. Presented in State level Seminar “Exploring Horizons in Microbial Technology” held at Rajarshi Shahu Mahavidyalaya, Latur on 21<sup>st</sup> Jan. 2012
20. Shertate R.S. and **Thorat P.R.** (2012) Marine water pollution control by *Marinobacter gudaonensis DR 13*. 53<sup>rd</sup> Annual conference of Association of Microbiologists of India, International Conference on Microbial World: Recent innovations and Future Trends held at Kalinga Institute of Industrial Technology, Bhubaneswar from 22-25 Nov 2012. Page 317
21. Kale R.V. and **Thorat P.R.** (2012) Biodegradation of textile azo dye Reactive Orange 16 by acclimatized aerobic bacterium. 53<sup>rd</sup> Annual conference of Association of Microbiologists of India, International Conference on Microbial World: Recent innovations and Future Trends held at Kalinga Institute of Industrial Technology, Bhubaneswar from 22-25 Nov 2012. Page 317
22. Shertate R.S. and **Thorat P.R.** (2012) Biotransformation of Direct Red 5B by *Marinobacter mobilis DR 8* presented in Avishkar Research Festival organized by Solapur University, Solapur on 22-23 Dec. 2012
23. Shertate R.S. and **Thorat P.R.** (2012) Decolourization and Biodegradation of Acid Yellow 25 by *Marinobacter daepoensis AY 11* Presented in National conference Recent Trends and Future Prospectus in Life Sciences held at Mahatma Gandhi Mahavidyalaya, Ahmedpur on 27-28 Dec 2012. **Secured First Prize in Poster Competition**

24. Shertate R.S. and **Thorat P.R.** (2013) Biodecolourization and Biodegradation of Textile Azo dye Yellow F3R by *Hallomonas desiderata* YAR8 in Saline conditions. Presented in International Conference on Frontier Discoveries and Innovations in Microbiology and Its interdisciplinary relevance organized by Dept of Microbiology M D University Rohtak and Association of Microbiologists of India on 17-20th Nov 2013. IMET 184.
25. Deshmukh P.V. and **Thorat P.R.** (2013) Isolation and antimicrobial spectrum of new bacteriocin from *Lactobacillus rennanquilly* WHL 3 Presented in International conference 'Emerging Horizons in Biochemical Sciences and Nanomaterials' organized by Dept of Microbiology and Chemistry, Shri Shivaji Mahavidyalaya, Barshi on 28-30th Nov 2013 Page no 186
26. Dulange S.M. and **Thorat P.R.** (2013) Antibiotic Susceptibility pattern of bacterial isolates of post operative wound infections from Hospitals in Omerga. Presented in International conference 'Emerging Horizons in Biochemical Sciences and Nanomaterials' organized by Dept of Microbiology and Chemistry, Shri Shivaji Mahavidyalaya, Barshi on 28-30th Nov 2013 Page no 191
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28. Markad R.M., Chavan V.P., Shertate R.S. **Thorat P.R.** and Deokar S.D. (2013) Isolation of probiotics from cow raw milk samples Presented in International conference 'Emerging Horizons in Biochemical Sciences and Nanomaterials' organized by Dept of Microbiology and Chemistry, Shri Shivaji Mahavidyalaya, Barshi on 28-30th Nov 2013 Page no 226
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32. Shertate R.S.and **Thorat P.R.** (2013) Biodecolourization and Biodegradation of Sunset Yellow FCF by *Marinobacter guineae* SAY4 A valuable bioremediation Tool. Presented in International conference 'Emerging Horizons in Biochemical Sciences and Nanomaterials' organized by Dept of Microbiology and Chemistry, Shri Shivaji Mahavidyalaya, Barshi on 28-30th Nov 2013 Page no 257
33. Waghmare and S.R., Kulkarni S. B., Samudra S.S. **Thorat P.R.** and Deokar S.D. (2013) from alkalophilic bacteria. Production, optimization and characterization of alkaline xylanase. Presented in International conference 'Emerging Horizons in Biochemical Sciences and Nanomaterials' organized by Dept of Microbiology and Chemistry, Shri Shivaji Mahavidyalaya, Barshi on 28-30th Nov 2013 Page no 264
34. Shertate R.S. and **Thorat P.R.** Marine Bacterium for Ecofriendly treatment of Environmental Pollutants. Accepted for Oral Presentation in Recent trends and Future prospects in Multidisciplinary approaches in Microbiology to be held at Rajaram College, Kolhapur from 3-4 Oct 2014.
35. Shertate R.S. and **Thorat P.R.** Eco friendly Treatment of Textile Azo dye Sunset Yellow FCF : Biodecolourization and degradation using Marine

Bacterium. Accepted for Poster Presentation in Recent trends and Future prospects in Multidisciplinary approaches in Microbiology to be held at Rajaram College, Kolhapur from 4-5th Oct 2014.

**Dr Thorat P.R.**