

## ***Curriculum-vitae***

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**Dr. WALHE RAJAN ANANDRAO**  
**Assistant Professor**  
**Department of Microbiology,**  
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**Pune 411004. INDIA.**



### **Personal**

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Date of birth : 21<sup>st</sup> Aug, 1971.  
Place of birth : Nasik.  
Nationality : Indian  
Marital status : Married.

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### **Education:**

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<b>Degree</b>	<b>University from which the degree was obtained</b>
Ph.D.	University of Pune
SET	University of Pune
M. Sc.	University of Pune
B. Sc.	University of Pune

### **Professional Experience:**

**Time period**    **Appointment.**

1995 -2005    Assistant Professor in Microbiology. Z.B Patil College (Formerly Jai Hind College) Dhule, M.S.

2005 Till date    Assistant Professor in Microbiology. MES' Abasaheb Garware College, Pune.

### **Role in organization of conferences/Seminars:**

1. Annual conference of Association of Microbiologists of India (AMI 2009). At National Chemical Laboratory Pune. Dec. 15 -18, 2009.
2. International conference on "Buddhism past and present" at Department of Hiosotry, MES' Abasaheb Garware College, Pune. 27-29 Jan, 2011.

3. National conference on “Biodiversity assessment, conservation and utilization” at MES’ Abasaheb Garware College, Pune. 9.10 Feb 2012.
4. International interdisciplinary conference on “Dr. Ambedkar’s ideology and sociopolitical movements in Asia” at Department of History, MES’ Abasaheb Garware College, Pune. 1-3 March, 2012.
5. National interdisciplinary conference on “ Makers of Modern India” at Department of History, MES’ Abasaheb Garware College, Pune.22-23 Feb. 2013.
6. International interdisciplinary conference on “Colonial ideology and Princely States in India” at Department of History, MES’ Abasaheb Garware College, Pune. 22-23 Jan, 2015.

### **Seminars/Conferences participated:**

1. Worked as resource person in workshop on “T.Y.B.Sc. Microbiology Syllabus Discussion” organized by SPM College, Baramati, dist Pune in Collaboration with BCUD, SPPU, Pune. 30-31 Jan.2015.
2. Workshop on “Art of Science Communication” Organized by Association of Microbiologists of India, Pune Unit and American Society for Microbiologists, USA and Modern College, Pune. 22 Jan. 2014.
3. Workshop on “Molecular Biology techniques” held at Wilson College, Mumbai, sponsored by Lady Tata memorial trust. 19-23 Aug. 2014.
4. Workshop on “Methodology and Details of Teaching-Learning in M.Sc. Microbiology” at MES’ Abasaheb Garware College, Pune, sponsored by BCUD University of Pune. 17-18 Feb. 2012.
5. Seminar on “Science and Society” organized by Department of Environmental Science, University of Pune and Indian Women Scientists Association, Pune. 8 March 2012.
6. Seminar on “Challenges and Opportunities in Biotechnology” organized by MITCON Institute of Management, Pune. 17 Sept. 2011.
7. Global Indian Scientists and Technocrats Conventions on “Scientific and Technological Approaches for Sustainable Use of Water Resources” held at MES’ Abasaheb Garware College, Pune.26-27 Dec, 2010.
8. Seminar on “Mathematics for Microbiologists” sponsored by BCUD, Pune University and organized by MP College, Pimpri, Pune. 5 Jan, 2010.
9. Workshop on “Proposed S.Y.B.Sc. (Microbiology) Syllabus Restructuring” organized by Padmashree Dr. D.Y Patil College, Pimpri. 2, Jan.2009.
10. Workshop on “ Revised Syllabus of F.Y.B.Sc. Microbiology” organized by SPM College, Baramati, Dist. Pune. 13 Sept. 2009.
11. Seminar on “Scientific Writing and Communication Skills” organized by MES’ Abasaheb Garware College, Pune and Vidnyan Bharati, Pune. 16-17 Feb. 2008.

### **Training/ Courses completed:**

1. UGC, HRDC sponsored short term course on “Research Methodology” held at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. 5-10 March, 2018

2. University Grant Commission sponsored Refresher course “Special Summer School in ITC” at KTHM College, Nashik. 6-26 May 2015.
3. Refresher course in “Environmental Science” conducted at Department of Environmental Science (under the UGC scheme) University of Pune. 7-27 March 2012.
4. UGC sponsored Refresher Course in “Environmental Science” conducted by ASC, University of Kerala. 17 April to 08 May 2010.
5. Orientation programme conducted at ASC, University of Pune under the UGC scheme. 13 March to 08 April 2000.

### **Presentations (Paper/poster) at Conferences:**

1. **Walhe Rajan A**, Patole Milind S, Diwanay ShamS. LAB isolates from traditionally fermented Indian foods produce Vitamin B12 and possess cholesterol reduction activity. Presented paper at International conference on “Advanced Research in Life Sciences” at SG College, Karad, Maharashtra. Organized by SG College, Karad in collaboration with Shivaji University, Kolhapur. 27-28 March 2018.
2. **Walhe Rajan**, Bodke Poonam, Pawar Megha, Diwanay Sonal, Patole Milind, Diwanay Sham. Putative Anti-*Candida* Activity of Probiotic Isolates from Traditionally Fermented Indian Foods. Presented paper at national conference on COLS, organized by Departments of Biochemistry, Microbiology, Biotechnology, Shivaji University, Kolhapur. 8-9 Feb. 2013.
3. Ladkat Manish, Gawade Kiran, Shahu Preeti, Kate Meenal, Korde Jyotsna and **Walhe Rajendra**. Tapping biotechnological potential of thermophilic bacteria isolated from hot springs. Poster presented at 51<sup>st</sup> Annual Conference of Association of Microbiologists of India, Birla Institute of Technology, Mesra, Ranchi. 14-17 Dec, 2010.
4. **Walhe Rajendra**, Gawade Kiran, Shahu Preeti Kate Meenal, and Korde Jyotsna. Studies on protease produced by thermophilic bacteria isolated from hot springs of Satpuda ranges. Poster presented at 51<sup>st</sup> Annual Conference of Association of Microbiologists of India, Birla Institute of Technology, Mesra, Ranchi. 14-17 Dec, 2010.
5. Renuse Apurv Karande Mrunal, Ladkat Manish, **Walhe Rajendra**. Studies on Biodiversity of Lonar lake focusing inhabitant bacteria having industrial potentials. Poster presented at 51<sup>st</sup> Annual Conference of Association of Microbiologists of India, Birla Institute of Technology, Mesra, Ranchi. 14-17 Dec, 2010.
6. Gauri Upasani, Priya Ravindran, **Rajan Walhe**, Vikram Lanjewar, Dilip Ranade and Sham Diwane. Reduction of cholesterol by probiotics isolated from Indian traditionally fermented foods. Poster presented in International conference on Business Opportunities in Life Sciences, Modern College, Shivaji Nagar, Pune. 2012

7. **Rajan.A.Walhe**, Anushka.D.Deshpande, Preeti.P.John (2016). Studies on Putative Probiotic Bacteria Isolated from Buffalo Colostrum, Focusing Exopolysaccharide Production. Poster presented at International conference at Annasaheb Magar Mahavidyalaya, Hadapsar. 9-10 Feb 2016.
8. **Walhe R. A.**, Diwanay S. S., Patole M. S. Antimicrobial Properties of Bacterial Isolates from Traditionally Fermented Indian Foods. Poster presented at 57 th Annual conference of Annual Conference of Association of Microbiologists of India, and International symposium on “Microbes and Biosphere: What’s next”. At Gauhati University, assam, India. 24-27 Nov.2016.

### **Postgraduate Dissertations / projects supervised:**

<b>Sr. No.</b>	<b>Title</b>	<b>Year</b>
1	Studies on thermophilic bacteria with respect to protease production from hot water springs around Satpuda ranges.	2010
2	Studies on amylase production by thermophilic microorganisms isolated from hot water spring.	2010
3	Exploring anti- <i>Candida</i> activity of probiotic isolates from Indian fermented foods	2013

### **Research Projects:**

1. **U.G.C. Minor research project** entitled “Studies on Protease, Amylase and Antibiotic producing Bacteria from Hot around Dhule District” 2007-2009.
2. **U.G.C. Minor research project** entitled “ Isolation and characterization of nonconventional probiotics isolated from Indian fermented foods.(2013-2015)

### **Research Publications:**

1. **Walhe RA**, Patole MS, Diwanay SS. 2017. Some beneficial properties of bacterial isolates from traditionally fermented Indian foods. *Bionano Frontier*,;10 (1): 120-126.
2. **Walhe Rajan A**, Patole Milind S, Diwanay Sham S. 2017. Adhesion inhibition of *Salmonella enterica* subspecies *typhimurium* to HT-29 cells by LAB isolates from traditionally fermented Indian foods. *Int. Res. J. of Science & Engineering*,; Vol. 6 (2): 31-34.

## **Research Interests:** ---

▪ Thermophilic bacteria ▪ Food Microbiology ▪ Probiotics ▪ Prebiotics

Presently the research interest is centered on Probiotics, especially probiotic organisms isolated from traditionally fermented Indian foods. The beneficial effect of probiotics on malnourishment is of special interest.

Exopolysaccharides and prebiotic characteristics of probiotic organisms.  
Synbiotics.

## **Professional Affiliations:** ---

1. Life member of Association of Microbiologists of India (**AMI**), a national level organization catering to the needs of Microbiologists in India.
2. Life member of Probiotic Association India (**PAi**), a national level organization creating awareness and significance in Probiotics.