

Name:- Dr. Shivaji Subhash Waghmare

Address (Optional):-

Personal Details:-

Name	WAGHMARE	SHIVAJI	SUBHASH
	<i>SURNAME</i>	<i>FIRST NAME</i>	<i>MIDDLE NAME</i>
Department	MICROBIOLOGY		
Designation	ASSISTANT PROFESSOR		
Qualification(s)	M.SC., Ph.D.		
Certification(s)/Professional Courses/Exams			
Email-Id	shivaji.waghmare@fergusson.edu		
	shivajiwaghmare@gmail.com		
Office Contact No:-	2030866453		
Mobile No(Optional):-	9420660745		

Member of:-

College Committees	Other Committees
College Website Committee	
Discipline committee	
ERP Departmental Admin	

Research Done:

Biosynthesis of metal nanoparticles
Bioleaching of Electronic waste
Screening of Endophytes for their potential activity

Solvent Tolerant enzymes from actinomycetes

Area of Interest in Research:

Applied Microbiology
Bio-nanootechnology
Actinomycetes

Books Published:

- i. Published a book Entitled "Advances in Biotech Research" ISSN No.978-93-80876-04-7.

Name of Book	Author(s)	ISBN No.	Year	Edition	Publisher
Advances in Biotech Research	A.M. Deshmukh, J.D. Jawalikar and S.S. Waghmare	978-93-80876-04-7	2011	-	

Research publications:

Waghmare S.S. , Deshmukh A.M. Kulkarni S.W. and Oswaldo, L.A. 2011. "Biosynthesis and characterization of Manganese and zinc Nanoparticles" <i>Uni. J. Environ. Res. and Technol.</i> 1 , 64-69.
N.N. Adhapune., Waghmare S.S. and Deshmukh A.M. (2013) Microbial metal solubilization from powdered PCB and the problem of 'early cementation'. <i>Applied Biochemistry and Microbiology</i> , Pleiades Publishing, Ltd. (Springer). 49 , (3), 256-262.
Waghmare S.S. Seema Sambrani and Deshmukh A.M. "Organic solvent tolerant actinomycete which secretes organic solvent stable enzymes" <i>Int. J. Bioassays</i> , 2013, 2 (07), 949-955

Seminars and Workshops Attended:-

1. Worked as Volunteer in workshop on “Biotechniques” Organized by Y.C. College of Science, Karad , (M.S.) and Bangalore Biogeni Pvt. Ltd. Bangalore at Karad on 4 th Sep. 2004.
2. Worked as Volunteer in “Environmental Pollution and Control” , One day seminar on 3 rd Oct. 2004. for School going children, Organized by Microbiologist’s society, Karad .
3. Participated in One day workshop on “Molecular Biology Techniques” on 18 th Nov. 2005, Organized jointly by Dr. B.A.M.U. subcampus Osmanabad and Bangalore Genei, Pune Division.
4. Attended National level conference on “Frontiers in Biofertilizers and Biopesticides” On 19 th -21 st Feb 2006 sponsored by UGC, CSIR and Department of Microbiology, Dr. B.A.M.U. subcampus, Osmanabad .
5. Participated in the workshop on “Microbial Taxonomy” organized by MACS- Agharkar Research Institute, Pune during Dec. 21 st -22 nd , 2006.
6. Presented Poster in “National Symposium on Genomics, Proteomics and Bioinformatics on “Antimicrobial activity of Garlic extract” held on 9 th and 10 th Feb. 2007 at Osmanabad , (M.S.) INDIA.
7. Attended one day seminar on “Advances in Biotechnology” on Mar 25 th 2007, Sponsored by Microbiologist society and organized by Dr. B.A.M.U. subcampus, Osmanabad , (M.S.) INDIA.
8. Participated in the UGC sponsored state level seminar on “Role of microorganisms in industrial effluent treatment” on 22 nd Sep. 2007, Organized by Department of microbiology, Mrs. K.S.K. College, Beed . (M.S.) INDIA.
9. Participated in seminar on “Environmental Pollution and Control”, for School going children, on 20 Jan. 2008 Organized by Dept. of Microbiology, Dr. B.A.M.U. subcampus, Osmanabad , (M.S.) INDIA.
10. Presented Paper in the two day National Symposium on “Recent advances in nano science” on 23 rd and 24 th Feb 2008, jointly organized by Dept. of Chemistry, Dr. B.A.M.U. subcampus Osmanabad and Dept. of Chemistry, R.P. College, Osmanabad , (M.S.) INDIA.
11. Participated in workshop on “Nano World 2008” at National Chemical Laboratory on 22 nd March 2008 organized by Rotary club of Pune , Sinhad Road, (M.S.) INDIA.

12. Participated in workshop on “Practical aspect in electrophoresis and immunology Technique” at Hotel Vishwamitra International, Latur , (M.S) INDIA on 12 th April 2008 organized by BioEra System.
13. Participated in State level seminar on “Nanobiotechnology-2008” 6 th Oct. 2008, organized by Dept. of Physics, Shri. Chhatrapati Shivaji College, Omerga , Dist- Osmanabad (M.S.) INDIA.
14. Participated in International level conference on “Nanomaterials and applications-2008” on 9 th -11 th Dec. 2008 jointly organized by Department of Chemistry and Department of Physics, Shivaji University, Kolhapur , (M.S.) INDIA.
15. Participated in UGC sponsored national level seminar on “Nanotechnology: The big world of small things” on 10 th Jan. 2009 organized by Dept. of Microbiology, Royal college of Art’s , Science and Commerce, Thane , (M.S.) INDIA.
16. Participated and presented research work at UGC, DBT and DST sponsored National workshop on “Biology and biotechnology of actinomycetes on 12 th -14 th Feb 2009 organized by Department of microbiology, Dr. B.A.M.U. subcampus, Osmanabad , (M.S.) INDIA.
17. Participated in U.G.C. sponsored seminar on “Global Warming: Problems and Solutions” on 22 nd Mar. 2009 organized by Department of Zoology, V.M. College, Osmanabad , (M.S.)INDIA.
18. Participated and presented poster in National conference on nanobiotechnology: Applications and prospects” on 8 th -10 th Oct. 2009, organized by Dept. of Microbiology, Abeda Inamdar College, M.C.E. Society, Pune , (M.S.) INDIA.
19. Attended a “Nobel Laurette lecture series in Biology” in honor of Dr. Venkatraman Ramkrishnan on 11 th Oct. 2009. Organized by Department of microbiology Dr. B.A.M.U. subcampus, Osmanabad (M.S.) INDIA.
20. Participated in State level seminar on Biotechnological applications to microbial siderophores” on 21 st March 2010 organized by Dept. of Microbiology, Dayanand Science College, Latur , (M.S.) INDIA.
21. Participated in Colloquium on “Multi disciplinary Research Opportunities in Nanotechnology: A Few case studies” by Prof. V. Ramgopal Rao held on 15 th April, 2010 at Department of Biophysics, University of Mumbai, Mumbai , (M.S.) INDIA.
22. Presented a research paper (oral) in International conference on Sep. at Indonesia .

<p>23. Presented a research paper (oral) entitled “Biosynthesis of gold nanoparticles by <i>Streptomyces</i> sp. in International conference on “Biology and Biotechnology for Better Tomorrow- 7th Feb. 2011” organized by Dept. of Microbiology, Dr. B.A.M.U. Aurangabad subcampus, Osmanabad.</p>
<p>24. Presented a research as poster entitled “Screening of endophytes from leaves of <i>Curcuma longa</i> and their antimicrobial activity” in International conference on “Biology and Biotechnology for Better Tomorrow- 6th Feb. 2011” organized by Dept. of Microbiology, Dr. B.A.M.U. Aurangabad subcampus, Osmanabad.</p>
<p>25. Participated in State level Workshop on “e-Learning in Microbiology” on 21st August, 2011, organized by Department of Microbiology, Dr. B.A.M.U. subcampus, Osmanabad, Aurangabad.</p>
<p>26. Attended a paper assessment in the subject Microbiology at M.Sc. I examination in the Solapur University Office, Solapur.</p>
<p>27. Participated in two day seminar on “Vedic Science day” on 10th and 11th Jan. 2012 organized by Deccan Education Society’s Fergusson College Pune and Pradnya Vikas Shikshan Sansthan, Pune.</p>
<p>28. Attended and participated in workshop on “Methodology and Details of Teaching and Learning in M.Sc. Microbiology” on Feb. 17, 2012 organized by Department of Microbiology, Abasaheb Garware College, Pune.</p>
<p>29. Attended and participated in conference of Indian Science Congress, India on 3rd Jan 2013 to 7th Jan 2013 held at Kolkata.</p>
<p>30. Participated in one day workshop on “Detailing of Reconstructed F.Y.B.Sc. (Microbiology) syllabus in association with BOS University of Pune on 4th Feb. 2013 organized by H.V. Desai College, Pune.</p>
<p>31. Presented a research by oral in the International Conference of “Biotechnology for Better Tomorrow (BTBT-2013)” on 11-12th Nov. 2013 at Mauritius.</p>
<p>32. Participated in UGC sponsored International conference on “Emerging Horizons in Biochemical Sciences and Nanomaterials” on 28th to 30th Nov. 2013 held at Shivaji College, Barshi, Dist. Solapur.</p>

Seminars and Workshops Organized:-

Organizing Secretary of:

- i. National conference on “Modern Analytical Techniques in Microbiology” organized by Dept. of Microbiology, Fergusson College, **Pune** on 17th and 18th Jan. 2014.

Other Accomplishments:-

Member of Organizing Committee:

- i. National Symposium on “Genomics, Proteomics and Bioinformatics” held on 9th and 10th Feb. 2007 at **Osmanabad**, (M.S.) INDIA.
- ii. U.G.C. sponsored workshop on “Intellectual property right and patenting” on 23rd Oct. 2007 organized by Dept. of Microbiology, Dr. Babasaheb Ambedkar Marathwada University, Subcampus, **Osmanabad**, (M.S.) INDIA.
- iii. International conference on “Biotechnology for better Tomorrow (BTBT-2011) organized by Dept. of Microbiology, Dr. B.A.M.U. Aurangabad subcampus, **Osmanabad**, held on 6-9 Feb. 2011.
- iv. Member of discipline committee at Fergusson College, **Pune** (2010-12, 2012-13).
- v. National level seminar on Recent trends in Applied Statistics an Interdisciplinary approach organized by Dept. of Statistics, Fergusson College, **Pune**, held on 15-16 Mar. 2013.
- vi. International Conference on Biotechnology for better Tomorrow (BTBT-2013) held at Rajiv Gandhi Science Centre, **Mauritius** on 11-12 Nov. 2013.
- vii. AMI best poster award for Maser’s students in Microbiology 2014 jointly organized by AMI Pune Unit and Dept. of Microbiology, Fergusson College, **Pune** on 26th Feb. 2014.
- viii. National conference on “Modern Analytical Techniques in Microbiology” organized by Dept. of Microbiology, Fergusson College, **Pune** on 17th and 18th Jan. 2014.

Resource Person at:

- i. National conference on “Nanotechnology: a panacea” organized by Sharadchandraji Pawar Pharmacy College, Otur, Dist. Pune on 14 Jan. 2011.
- ii. National level workshop on “Fundamentals of Nanotechnology” on 10th Feb 2012 and

also conducted second session on “Practical aspects of synthesis of metal nanoparticles.

E lectures

Delivered a E-Lecture on the topic of NMR in virtual class room for students and teachers from different colleges of Maharashtra on 18 Apr. 2013.

Social Activity:

Delivered a lecture in Marathi on the topic of “Sukshmajiv aani aapan” for N.S.S. student camp on 10 Dec. 2012.