

Rayat Shikshan Sanstha's
Arts, Science & Commerce College, Ramanandnagar (Burli)

Faculty Profile

- Name : Dr. Bhosale Tanaji Shivaji
- Department : Zoology.
- Educational Qualification : M. Sc.,M.Phil., Ph.D.
- Title of M.Phil Thesis : “ Studies on the effect of plant toxin *Sapindus laurifolius* on undesirable fish *Saratherodon mossambica*”.
- Title of Ph.D Thesis : “Studies on the effect of starvation and aestivation on gonads and male reproduction of terrestrial slug *Semperulamaculata*. ”
- Name of the guide and : Dr. S.G. Nanaware. Shivaji University, Kolhapur.
Institution/University
- Year of declaration of M.Phil : June 1988
- Year of declaration of Ph.D : March 2003
- Recognized as M.Phil/Ph.D.guide : No. 2951 2/3 July 2007.
(Recognition Letter Number)
- Whether availed FDP/Fellowship/Scholarship : Yes Teacher fellowship.
- Additional Qualification (if any) : MS-CIT 2012.

• **Registration for M.Phil/Ph.D**

Title	Date of registration	Name of the guide and Institution	University	Current Status
-	-	-	-	-

• **Details of Publications (Journals/Books/Proceedings) :**

Year	Details(Title,Name of Journal /publisher, Volume,Issue,Year,Page no	Impact factor	ISSN/ISBN Number	National/International
2012-13	1) Studies on the breeding and parental care in bird- White Throated Faintail <i>Rhipidulaa lbicolis</i> (2013) Trajectory 21 : 1 PP 85-91.		ISSN-0975-1165.	National
	2) Phytotoxin (<i>Sapindus laurifolius</i>) induced histopathological changes in gills of undesirable fish <i>Saratharodon mossambica</i> .(2013).Proceedings of UGC Sponsored National Seminar on “Recent Trends in Life Science” PP-87-90.			

	3) Studies on the Heavy Metals in Gastropods: II Base Levels on ZN, CD and HG in hepatopancreas of aquatic snail <i>Bellamy bengalensis</i> (Lamark) (2013). <i>Uttar Pradesh Journal of Zoology</i> .PP-103-106.		ISBN No.: 978-81-8486-472-4.	
2013-14	3) Studies on the Heavy Metals in Gastropods: II Base Levels on ZN, CD and HG in hepatopancreas of aquatic snail <i>Bellamy bengalensis</i> (Lamark) (2013). <i>Uttar Pradesh Journal of Zoology</i> .PP-103-106.		ISBN No.: 978-81-8486-472-4.	
2014-15	1) Studies on the physico-chemical parameters of water samples of Veer dam, Dist. Satara (M.S). Proceedings of National Conference on Environmental Biotechnology.		ISBN 978-81-8498-412-6.pp 109-111.	National
	2) Study of Oxidative stress with respect to Lipid Peroxidation and Lipofuscinnogenesis in gills of freshwater bivalve <i>Lamellidenscorrianus</i> .		ISBN 978-81-8498-412-6.pp 178-180.	Proceedings of National Conference on Environmental Biotechnology.
	3) Effect of soil salinity on Breeding of Earthworm <i>Eisenia foetida</i> (2015). <i>Bionano Frontier</i> Vol. 8-3 pp 38-41.		ISSN 0974-0678 Online 2320-9593.	National
	4) Studies on the Heavy Metals in Gastropods: II Base Levels on ZN, CD and HG in hepatopancreas of aquatic snail <i>Bellamyabengalensis</i> .(2015) <i>Bionano Frontier</i> Vol. 8-3 pp179-181..		ISSN 0974-0678 Online 2320-9593.	National
	5) Studies on the Effect of Salivary gland Extract of <i>Periplanata Americana</i> on Angiogenesis of CAM Assay in Chick Embryo.(2015) <i>Bionano Frontier</i> Vol. 8-3 pp. 199-203.		ISSN 0974-0678 Online 2320-9593.	National
2015-16	Studies on Heavy Metals in Gastropods; Base Levels of ZN, CD, and HG in Mantle of Aquatic Snail <i>Bellamy Bengalensis</i> (Lamark)		ISSN : 2449-6807	International J. of Institutional Pharmacy & Life Science

2017-18	Impact of Mercury on Consumption of Freshwater Bivalve, <i>L. coreans</i> .		ISSN : 2454-7492	Asian J. Of Advanced Basic Sci.
2017-18	Detecting Genotoxicity of Mercury Chloride in Freshwater Bivalve <i>Lamellidens coreans</i> .		ISSN : 0975-1718	International J. Of Theoretical & Applied Science.
2017-18	Mercury Toxicity on Lipid Peroxidation in Gills and Hepatopancreas of Freshwater Bivalve <i>Lamellidens coreans</i> .		ISSN : 2231-024x	Bioscience Discovery.

• **Conference/seminar /Symposium attended and paper presented :**

Sr. No.	Conference/Seminar/Workshop	Venue/Place	Date/Period of - -----
1	RayatShikshanSanstha'sKarmavirVidyaPrabodhini-KarmavirBhauraoPatil State Level Inter-collages Quiz Contest	Y.C.Institute of Science of,Satara	January 2010
2	State level seminar on 'Eco-Sensitive Zone and Local Development'	Sponsored by S. U. Kolhapur and organized by Dr. N. D. PatilMahavidyala, Malkapur, Perid, Dist- Kolhapur.	13 th January 2011.
3	U.G. C. Sponsored National conference on 'Recent Trends In Life Sciences with Special Reference to Animal Physiology, Biotechnology and Biodiversity'.	Organized by P.G. Dept. of Zoology S.G.M. College Karad	19-20 Oct. 2011.
4	International Science Congress	Maharaja Ranjit Singh College of Professional Sciences, Indore, MP, India.	24-25 Dec. 2011
5	National Seminar on "Preparation of Skillful Research papers at National and International Scenario"	Dept of Zoology S. U. Kolhapur.	6 th Feb. 2012.
6	One day workshop on 'Personality Development and communication skills'	Y.C.Institute of Science of,Satara	16 th Feb. 2012
7	One day state level workshop on NET/SET Exam. Guidance. Worked as resource person	Y.C.I.S. Satara.	12 th March 2012.
8	Eight days State level workshop on JRF/SRF/CSIR/NET/SET Guidance, Worked as resource person	Y.C.I.S, Satara.	14-21 May 2012.
9	One day workshop on new syllabus of Zoology (B.Sc. III)	L.B.S. College, Satara.	8 th August 2012
10	Traning workshop for college teachers in Zoology at B.Sc. III revised syllabus	organized by S.U. Kolhapur and S.G. M. College,Satara.	11 th August 2012
11	RayatShikshanSanstha'sKarmavirVidyaPrabodhini-KarmavirBhauraoPatil State Level Inter-collageus Quiz contest	Y.C.I.S, Satara.	2011-12
12	RayatShikshanSanstha and HomiBhabha Centre for Science education, Mumbai; RayatVidnyanParishad organized state level workshop for Science teachers on Research paper writing-Guidance.	Y.C.I.S, Satara.	29-30Nov. 2012.
13	RayatShikshanSanstha and HomiBhabha Centre for Science education, Mumbai; RayatVidnyanParishad organized state level workshop for Science teachers on innovative ideas for designing of Science Projects	Y.C.I.S, Satara.	28-29 Dec. 2012

14	RayatShikshanSanstha and HomiBhabha Centre for Science education, Mumbai; RayatVidnyanParishad organized state level workshop for Science teachers on innovative ideas for designing of Science Projects	KarmavirBhauraoPatil College, Vashi.	8 th Jan. 2013.
15	UGC sponsored National seminar on "Recent Trends in Life Sciences".	Ch. Shahu College, Kolhapur.	
16	National seminar on "Proposed Maharashtra University Act and Quality of Higher Education" organized by SUTA	Y.C.I.S, Satara.	17 th Feb. 2013
17	RayatShikshanSanstha and HomiBhabha Centre for Science education, Mumbai; RayatVidnyanParishad organized state level state level conference	Y.C.I.S, Satara.	2-4 March 2013
18	International conference on "Energy Efficient Campus and Exchange of Research on Energy and Environment" organized by Y.C.I.S. Satara in association with RayatVidnyanParishad , RayatShikshanSanstha; TERRE Policy Centre.Pune India and Princeton University New Jercy, USA	Y.C.I.S, Satara.	30 th May 2013.
19	Traning workshop for college teachers in Zoology at B.Sc.I revised syllabi sponsored by S. U. Kolhapur	Dept. of Zoology S.G.M. College, Karad	1) 7 th Aug. 2013.
20	UGC sponsored National conference on "Recent Trends in Life Sciences with Reference to Biotechnology and Applied Zoology" .	College of Science, Karad	27-28 Sept. 2013Y.C.
21	One day state level workshop on "Development of Academic Resource Centre"	D.G. College of Commerce, Satara.	10 th Oct. 2013,
22	One day workshop on revised syllabus of Zoology at B.Sc.I sponsored by S.U. Kolhapur and	Oganized by L.B.S College Satara	15 th Oct. 2013.
23	RayatShikshanSanstha, Y.C.I.S. Satara and S. U. Kolhapur jointly organized International Conference on "Innovations in Energy, Polymer and Environmental Sciences".	Y.C.I.S. Satara.	10-12Jan.2014
24	UGC sponsored National conference on "Recent Trends in Physical Education and Sports.	Y.C.I.S. Satara.	22-23 Aug.2014
25	Three days workshop on "Concepts and Research in Bio-informatics" organized by Dept. of Zoology, Zoo-Fisheries and Microbiology .	Y.C.I.S. Satara.	26-28 Sept. 2014
26	National conference on "Modern Approach for Green Electronics and computing"	Y.C.I.S. Satara.	29-30 Sept. 2014
27	UGC sponsored National conference on "Recent Trends in Physics"	Y.C.I.S. Satara.	10-11 Oct. 2014

28	RayatShikshanSanstha'sKarmavirVidyaPrabodhini-KarmavirBhauraoPatil State Level Inter-collageus Quiz contest –	Y.C.I.S. Satara.	2013-14.
29	UGC sponsored National conference on “Environmental Biotechnology”	organized by Dept. of Zoology, L.B.S College Satara.	29-30 Dec. 2014
30	RayatShikshanSanstha'sKarmavirVidyaPrabodhini-KarmavirBhauraoPatil State Level Inter-collageus Quiz contest -	Y.C.I.S. Satara.	2014-15.
31	National seminar on “green chemistry and crop protection”	organized by Dahiwadi College Dahiwadi .	26 March 2015.
32	International conference on “Contemporary Research in Chemical and Life Sciences”	Organized by S. G. M. College Karad in collaboration with Shivaji University Kolhapur.	22-23 April 2015.
33	Recent Advances and Applications of Taxonomy in Life Sciences	Organized by Dept of Zoology, Y.C.I.S. Satara.	6-7 Oct. 2015
34	International Summit on Technology & Innovations I Industry	Organized by , Y.C.I.S. Satara.	8-9 March 2016
35	Seminar on NAAC third cycle Assessment	Organized by , A.S.C. College, Ramanandnagar (Burli)	14 th Oct. 2016
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- **Research Awards:**

Year	Poster Presentation		Oral Presentation		Best Paper	Young scientist	Any other (fellowship)
	Title	Conference	Title	Conference			
2010-11	-	-	-	-	-	-	-
2011-12	-	-	-	-	-	-	-

2012-13	-	-	-	-	--	-	-
2013-14	-	-	-	-	-	-	-
2014-15	-	-	-	-	-	-	-

- Courses/Training Programmes Attended(Details)**

Year	Refresher course	Orientation course	Training Programme	Any Other
2010-11	-	-	-	-
2011-12	-	-	-	-
2012-13	-	-	-	-
2013-14	-	-	-	-
2014-15	-	-	-	-
2015-16	-	-	Workshop on Science Education, Science Programme & Inspire Programme Dated-05-09-2015 at TIFR, Mumbai	
			Workshop on Research Organized by Y.C.I.S. Satara. Methodology 6th Feb. 2016	

- Participation in curriculum development:**

Year	Role in curriculum design(BOS member, chairman, class. etc.)	Participation in draft syllabus workshop	
		Resource person	participant
2010-11	-	B.Sc. I & II	participant
2011-12	-	B.Sc. I & II	participant
2012-13	-		
2013-14	-		
2014-15	B. Sc. III Sub- committee member	B.Sc. I & II	participant
2015-16	-	B.Sc. III	Chair Person

• **Memberships**

Year	Role in Institute administration (committee member/ chairman)	Role in Rayat Shikshan Sanstha's administration	Membership of senate/Management council/DRC/LIC/Any other	Membership of professional bodies/NGO's
2010-11	1) Member of N.S.S. committee 2) Member of admission committee 3) Member of Internal evaluation committee. 4) Study-Reading room 5) Internal evaluation 6) Member of college campus beautification 7) 11 th plan, proposal and implementation. 8) Member of Nature club committee. 9) Member of standing committee. 10) NET/SET workshop & guidance.	Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil State level Quiz contest. Worked as committee chairman.	-	
2011-12	1) Member of N.S.S. committee 2) Member of admission committee 3) Member of Internal evaluation 4) Member- Study-Reading room committee. 5) Member of internal evaluation 6) Member of Staff welfare. 7) Member of Nature club committee. 8) Member of standing committee.	Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil State level Quiz contest. Worked as committee chairman.	-	
2012-13	1) Member of N.S.S. committee 2) Member of admission committee 3) Member of Internal evaluation 4) Study-Reading room 5) Internal evaluation 6) Member of college campus beautification 7) 11 th plan, proposal and implementation. 8) Member of Nature club committee. 9) Member of standing committee. 10) NET/SET workshop & guidance committee member.	Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil State level Quiz contest. Worked as committee chairman.	-	
2013-14	1) Member of admission committee 2) Member of Internal evaluation 3) Study-Reading room 4) College examinations.	Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil State level Quiz contest.		

	<p>5) Member of college campus beautification</p> <p>6) 12th plan, proposal and implementation.</p> <p>7) Member of Nature club committee.</p> <p>8) Member of standing committee.</p> <p>9) Chairman Vermicompost committee.</p> <p>10) Member of placement cell and vocational guidance committee.</p>	Worked as committee chairman.	-	
2014-15	<p>1) Member of admission committee.</p> <p>2) College examinations.</p> <p>3) Member of publicity committee.</p> <p>4) Study-Reading room.</p> <p>5) Member of college campus beautification</p> <p>6) Member of Nature club committee.</p>	RayatShikshanSanstha'sKarmaveerBhauraoPatil State level Quiz contest. Worked as committee chairman.	-	
2015-16	<p>1) Member of admission committee.</p> <p>2) College examinations.</p> <p>3) Study-Reading room.</p> <p>4) Member of college campus beautification</p> <p>5) Member of Nature club committee.</p> <p>6) Autonomous Committee</p> <p>7) University Examination</p> <p>8) Standing committee</p>	RayatShikshanSanstha'sKarmaveerBhauraoPatil State level Quiz contest. Worked as committee chairman		

• **Participation in University examination(Details)**

Year	Paper setter	Examiner/Moderator	Sr.Supervisor	Squad member	CAP director
2010-11		B.Sc.I&II. Theory B.Sc. I,II,III. Practical	-	-	
2011-12	B.Sc.I Zoo & B.SC.II. Biotech Entire.	B.Sc.I. Theory B.Sc. I,II,III. Practical	-	-	B.A. I & II 13/10/2011 to 24/12/2012
2012-13	B.Sc.I	B.Sc.I . Theory B.Sc. I,II,III. Practical	-	-	B.Sc.II& III 23/10/2012 to 9/1/2013
2013-14	B.Sc.I	B.Sc.I . Theory B.Sc. I,II,III. Practical	-	-	B.Sc.II& III 18/11/2013 to 30/01/2014
2014-15	B.Sc.I	B.Sc.I . Theory B.Sc. I,II,III. Practical	B.Sc.I&II 15/5/2015- 25/5/2015	-	-

2015-16	B.Sc.I P- I&II	B.Sc.I . Theory P- I&II	-	-	-
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• **Patents and copyrights**

Year	Name of the patent/copyright	Year	Patenting agency	Status
2010-11	-	-	-	-
2011-12	-	-	-	-
2012-13	-	-	-	-
2013-14	-	-	-	-
2014-15	-	-	-	-

• **Editorship/Reviewer**

Year	Name of the Journal	Editor/Editorial member/Reviewer
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	-	-
2014-15	-	-

• **Research Projects**

Year	Title of project	Nature of participation Principal investigator/ Coinvestigator	Major/Minor	Funding agency	Year	Amount	Status
2010-11	-	-	-	-	-	-	-
2011-12	-	-	-	-	-	-	-
2012-13	-	-	-	-	-	-	-
2013-14	-	-	-	-	-	-	-
2014-15	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-

- **Research Guidance**

Year	Name of the student	Name of University	Topic	Date of registration	status
2010-11	Waghmare K.V.	Shivaji University, Kolhapur.	Studies on the effect of water pollution on Labeocalbasu and Tor khudree of river Panchganga.	01/07/2010	
2011-12	-	-	-	-	-
2012-13	Mestry U.D.	Shivaji University, Kolhapur.	Effect of heavy metal on DNA damage in freshwater Bivalve-LamellidensCorrianus	01/07/2011	
2013-14	-	-	-	-	-
2014-15	Shevale A.S.	Shivaji University, Kolhapur	Herbicides induced toxicity, histopathological, histochemical and biochemical adaptations in freshwater crab <i>Barytelphusaunicularis</i> (Waste wood 1838)	22/12/2014	

- **Guidance to students (Project/Avishkar/Conference/Seminar)**

Year	Title of project	Name of the students (M.Sc. II.)	Total number of students guided
2010-11	Studies on the laboratory induced puffing in polytene chromosomes of Chironomous larvae of Midge Fly.	1)SuryawanshiAmolDhanaji 2)ShahaneTanujaPrakash. 3)ShitoleShubhangiRamdas.	3
2011-12	Studies on the colchicine induced polyploidy in some organs of mice – <i>Musmusculus</i>	1)SuryawanshiVaishaliJanardan 2)ThoratSupriyaDiliprao 3)YadavSonali Vishnu	3
2012-13	Studies on the starvation induced cellular adaptations in some organs of rat- <i>Ratusnorvegicus</i>	1)GuravAshwini Suresh 2)TawareShilpaSudhakar 3)ShaikhNilophar Amin	3
2013-14	Effect of pesticides on Puffing in Polytene	1)AnandeKishoriSubhash 2)BhosaleMonali Vijay 3) JadhavNaliniRangrao	3

	Chromosomes of Chironomous larvae		
2014-15	Herbicide induced cell degeneration in gut wall of Earthworm- Pheretima posthuma.	1) Lohar Rohini Bhagwat 2) Nalawade Poonam Harichandra	2
2015-16	Study of Poultry Birds in Relation to Growth, feeding & Egg Production.	1) Barge Sainath Dnyandeo 2) Dange Pratik Janak 3) Sawant Akshay Vikas	3

- **Co-curricular activities**

Year	Type of participation Resource person/Judge/Chief guest etc	Name of activity	Organiser	Date
2010-11	-	-	-	-
2011-12	-	-	-	-
2012-13	-	-	-	-
2013-14	Chairperson	One day workshop B.Sc.III revised syllabus	L.B.S. College Satara.	15/10/2013
2014-15	-	-	-	-
2015-16	Chair Person	B.Sc.III revised syllabus	Mudhoji College, Phaltan	21/08/2015

- **Consultancy Services provided:**

Year	Type of consultancy	Beneficiaries	Revenue generated	Duration
2010-11	-	-	-	-
2011-12	-	-	-	-
2012-13	-	-	-	-
2013-14	-	-	-	-
2014-15	-	-	-	-
2015-16	-	-	-	-

- **Innovative teaching methods**

used(PPT/Films/OHP/Games/Podcasting/POGIL/Mobile/emails):

- **Extension Activities(Donation to relief funds, service to mankind):**

Year	Date	Nature of participation	Event conducted
2010-11	-	-	-
2011-12	12/8/2011	Member	International Youth festival day
	15/08/2011	Member	Tree plantationm
	22/08/2011	Member	Red ribbon club activity
	28/09/2011	Member	Blood donation camp
	29/09/2011	Member	Workshop on HIV- AIDS awareness.
	08/10/2011	Member	Workshop on disaster management.
	10/10/2011	Member	International mental health day .
	15/11/2011	Member	Participation in DnyanJyoti Rally.
	01/12/2011	Member	Participation in AIDS Sadbhavana rally.
	05/12/2011	Member	Women health and rights awareness.
2012-13	15/08/2012	Member	Celebration of independence day- tree plantation.
	17/08/2012	Member	Celebration of Sabhavana day.
	28/08/2012	Member	Envirnment awareness day.
	11/09/2012	Member	Tree plantation.
	05/10/2012	Member	Blood donation camp.
	07/12/2012	Member	Blood donation camp.
	21/12 to 27/12/2012	Member	ShramsanskarShibir at Varne Taluka Satara.
	11/03/2013	Member	T.B./HIV Sensitization.
	11/03/2013	Member	Lecture on Bio-diversity
2013-14	-	-	-
2014-15	-	-	-
2015-16	-	-	-

- **Awards and Honours :**

- **Any other relevant information you would like to add :**