

Basic Info.	Name : Prof. Dr. Sanjay Nanaso Kumbhar. Department: Zoology E-mail:sanjay06kumbhar@gmail.com Work experience Teaching: 30 years. Research:10 years.
Course(s) Taught	Immunology. Animal Pathology. Applied Zoology. Animal Systematics. Cell Biology.
Field of specialization	M.Sc.- Entomology, Research- Aquatic Toxicology, Biodiversity, Environmental Pollution'.
Education Qualifications	M.Sc. PhD.
Employment Histor	Gogate - Jogalekar College, Ratnagiri. (13/07/92 to 09/08/2004) Waghire College Saswad (10/08/2004 to 04/12/2006) (Fergusson College, Pune.(from 05/12/2006)
Research Area	Aquatic Toxicology, Environmental pollution, Biodiversity
Research Projects	1. Study of Biodiversity of Purandar foothills Purandar Fort, Maharashtra. (Principal investigator) Funded by BCUD,University of Pune(2002-2004). 2.Biodiversity and Ecological studies of Bhatye Estuary, Ratnagiri, Maharashtra. Funded by UGC, New Delhi.
Publications	1. S.N.Kumbhar and D.V.Muley. Metabolism in estuarine clam, <i>Katelysia opima</i> up on heavy metal stress.. Indian Journal of Zoology and Aquatic Biology, (1999), 3(2), pp 23 - 27. 2. S.N. Kumbhar, D.V. Muley, Sameer Terdalkar and A.S. Kulkarni, Metabolism in estuarine clam <i>Paphia laterisulca</i> up on heavy metal stress, (2002). Proceedings on the National Seminar on Creeks, Estuaries and mangroves Pollution and Conservation, 3. Sameer Terdalkar, S.N. Kumbhar, and A.S. Kulkarni. Living dinoflagellate cysts from the recent sediments of Bhatye Estuary, Ratnagiri, Maharashtra. Journal of Ecology, Environment and Conservation (2003), 9(3), pp:407-409 4. Sameer Terdalkar and S.N. Kumbhar. Studies of ballast water and tank sediments of vessels, VAGIF and FOSTRUM at Porto De aveiro (2005), Journal of Microbiology, Biotechnology and Environmental Science.Vol.7, (03),217-219 5. Sanjay Kumbhar . Path to Biodiversity Conservation in India. (2012),pp. 26 - 32. Proceeding of National Conference on

	<p>Biodiversity Monitoring and Research: Current practice and future needs.</p> <p>6. Sanjay Kumbhar and Sameer Terdalkar. Studies on the Phosphate Solubilizing Bacteria from Mangroves of Bhatye Estuary, Ratnagiri, Maharashtra. (2012). Proceeding of National Conference on Biodiversity Monitoring and Research: Current practice and future needs.</p> <p>7. Sanjay Kumbhar .Endosulfan Residues in human breast milk in Indian mothers from Pune and Rural Areas (2013) . Proceeding of International Conference on Advances in Chemical, Biological, and Pharmaceutical Sciences</p> <p>8. Sanjay Kumbhar. Clam Resources in Bhatye estuary, Ratnagiri, Maharashtra(2015). Proceeding of National Conference on Biodiversity and its Conservation in India</p> <p>9. Sanjay Kumbhar. Endosulfan residues in human breast milk in Indian mothers from Pune urban and rural areas, <i>International journal of multidisciplinary research</i>, (2013) Vol. I,(12) 33-35,</p> <p>10. Sameer Terdalkar and Sanjay Kumbhar . Studies of Ballast Water and Tank Sediments of Vessels, VAGIF and FOSTRUM at Porto De Aveiro, Aveiro, Portugal. Asian Jr. of Microbial. Biotech. Env. Sc., 7(2), 217-219, 2005, ISSN-0972-2005</p> <p>11. Sameer Terdalkar and Sanjay Kumbhar. Bio-Economic risks of ballast water carried ships, with special reference to harmful algae blooms. (2005). Nature, Environment and Pollution Technology, Vol.4, , No. 1,</p> <p>12. Sanjay Kumbhar. Concentrations of Endosulfan in Colostrum of Indian mothers from Pune Urban and Rural areas. Association of Zoologists, India 6(1), 2013, 77-81, 2229-6549</p> <p>13. Sanjay Kumbhar. Endosulfan Residues in human breast milk in Indian mothers from Pune and Rural Areas. International Journal of Multidisciplinary Research, Vol 1, Issue 12(iii), 2013, 2277-9302</p> <p>14. Sanjay Kumbhar. Study of seasonal Bioaccumulation of cadmium in <i>Paphia lateriscula</i> (Dillwyn) found in Bhatye estuary, Ratnagiri, Maharashtra, India. Journal of Emerging Technologies and Innovative Research, vol. 7, Issue 4, 2020, 2349 - 5162</p> <p>15. Sanjay Kumbhar. Study of interrelations between seasonal estuarine water parameters and cadmium chloride toxicity to estuarine clam. <i>Meretrix meretrix</i> (Linnaeus). International Journal of Zoology Studies, Vol 5, Issue 2, 2020, 2455-7269</p> <p>16 Sanjay Kumbhar. Perspectives and Problems of Conservation, Development and Management of Clam Resource in the Bhatye Estuary Ratnagiri, Maharashtra, India. International Journal of Trend in Scientific Research and Development, Vol 4, Issue 3, 2020, 2456-6470</p>
--	--

	<p>17.Sanjay Kumbhar. Study of seasonal accumulation of cadmium in estuarine clam, <i>Meretrix, meretrix</i> (Linnaeus). Journal of Emerging Technologies and Innovative Research, Vol 7, Issue 4, 2020, 2349-5162</p> <p>18. Sanjay Kumbhar.Studies on Seasonal Variations of Total Glycogen, Protein and Lipids in Estuarine Clam, <i>Meretrix meretrix</i> (Linnaeus) after Chronic Exposure to Cadmium Chloride. International Journal of Trend in Scientific Research and Development, Vol 4, Issue 4, 2020, 2456-6470.</p> <p>19. Sanjay Kumbhar. Assessment of Bioaccumulation of Cadmium in Bhatye Estuary, Ratnagiri, using the Estuarine Clam, <i>Katelsia opima</i> (Gmelin) as a Bioindicator. International Journal of Trend in Scientific Research and Development, Vol 10, Issue 1, June 2020, ISSN(P)- 2278-8816 ISSN(E)-2278-8824</p> <p>20. Sanjay Kumbhar. Study of seasonal Variations in Oxygen Consumption of Estuarine clam, <i>Meretrix, meretrix</i> (Linnaeus,1758) after Acute exposure of Cadmium Chloride. International Journal of Trend in Scientific Research and Development, Vol 4, Issue 3, 2020, 2456-6470.</p> <p>21.Sanjay Kumbhar. Modulation in Respiratory dynamics of the estuarine clam, <i>Katelsia opima</i> (Gmelin) under sublethal and lethal stress of cadmium chloride. Uttar Pradesh Journal of Zoology, Vol 41, Issue 6, 2020, 0256-971X(P)</p>
Participations in Conferences/Seminars/Symposia/Workshop	<p>Resource Person-</p> <p>1. Clam Resources in Bhatye estuary, Ratnagiri, Maharashtra. One day workshop on Applied Zoology, organized by Institute of Science Satara,(2015).</p> <p>2. Conservation and preservation methods and strategies for Bivalve resources along West coast of India., State level Conference organized by Balasaheb Desai College Patan(2016).</p> <p>Oral Presentations:</p> <p>1. Accumulation of Cadmium in the estuarine clam, <i>Meretrix meretrix</i> after acute and chronic exposure. National Symposium on Recent trends in Life Sciences with Special Reference to wild-life and Conservation, 16/11/2002 to 19/11/2002.</p> <p>2. Mangrove Diversity of Ratnagiri Coast, Maharashtra.National Symposium on “Environmental Biotechnology and Biodiversity Conservation, 31/01/2003 TO 01/02/2003</p> <p>3. Study of cadmium bio-accumulation in estuarine clams using atomic absorption spectrophotometry. National symposium on Instrumentation, Govind Vallabh Pant University of Agriculture and Technology, Pantnagar, Uttaranchal</p> <p>4. Molluscan Fishery along Ratnagiri Coast, Maharashtra.National Symposium on Recent trends in Biology</p>

	<p>and Biotechnology. 09/10/2003 to 11/10/2003</p> <p>5. Bivalve Diversity of Ratnagiri Coast, Maharashtra..Regional Conference for Pune University College Teachers, organized by BCUD, University of Pune. 12/11/2008</p> <p>6. Path to Biodiversity Conservation in India. National Conference on Biodiversity Monitoring and Research Current Practices and Future needs. 07/12/2012 to 08/12/2012</p> <p>7. Bivalve Resource in the Bhatye Estuary Ratnagiri: Concerns of Management and Conservation.Biodiversity Monitoring and Research: Current practice and future needs, December 2012,</p> <p>8. Studies on the Phosphate Solubilizing Bacteria from Mangroves of Bhatye Estuary, Ratnagiri, Maharashtra.. Biodiversity Monitoring and Research: Current practice and future needs, December 2012,</p> <p>9 Endosulfan Residues in human breast milk in Indian mothers from Pune and Rural Areas. International Conference on Advances in Chemical, Biological, and Pharmaceutical Sciences, 19/3/2013.</p> <p>10 Analysis on Ground water from Municipal garbage dumping area, Uruli Devachi, Pune. International Conference on Innovations in Energy, Polymer and Environmental Sciences, 10/01/2014 to 12/01/2014</p> <p>11. Assessment of Cadmium toxicity to estuarine clams of Ratnagiri Coast.National Conference on Faunal Diversity: Assessment and Conservation FDAC-2016, 22/01/2016 and 23/01/2016</p>
Event Organized/Conference/ Seminar/ Workshops coordinated	<p>1. UGC sponcered .National Conference on “Climate Change and Challenges in Biodiversity Conservation”, 2008/09 (Chief editor of conference proceeding)</p> <p>2. UGC sponcered National Conference on Biodiversity, Monitoring and Research, 2011/12 (Organizing Secretary)</p>
Additional Skills/Activities	<p>1 Completed Coastal biodiversity Training and Capacity building Pprogramme organized by- National Institute of Oceanography Dona, Paula, Goa (2004).</p> <p>.2. Completed National Training Course on Instrumentation, organized by Instrument Society of India and Govind Ballabh Pant Agriculture University, Pantnagar, Uttaranchal (2004)</p> <p>3. Completed Training Course on Microscopy for Life Sciences organized by- Venture center, Pune (2012).</p> <p>4. Completed Training Course on “Remote Sensing and GIS Technology and Applications for University Teachers and Government Officials”, conducted by Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO),</p>

	<p>Dehradun, 13-06-2020 to 01-07-2020.</p> <p>5. Completed Pedagogy Training for Teachers on “Tools for Online Teaching, Learning and Evaluation” (2020), organized by School of Mathematics, Swami Ramanand Teerth Marathwada University, Nanded.</p>
Books authored.	<p>1. Textbook of Applied Zoology- II (2009).Vision Publication, State Level, ISSN-978-93-8011-89-6.</p> <p>2. Textbook of Applied Zoology- I (2014).Vision Publication, State Level, ISSN-978-93-5016-272-9.</p> <p>3. Textbook of Applied Zoology- II (2014).Vision Publication, State Level, ISSN-978-93-5027-279-6.</p> <p>4. Textbook of Applied Zoology-I (2020).Vision Publication, State Level, ISBN- 978-81-946102-0-7.</p>