

CURRICULUM VITAE

1. Professional Details :-

- a) Name: -** Dr. Patil Ramrao Gunda
- b) Designation: -** Emeritus Fellow and Research Director,
P.G. Dept. of Zoology,
Lal Bahadur Shastri College of Arts, Science and
Commerec, Satara.

- b) Permanent Address: -** “Saraswati” 76, Malhar Peth, Behind,
Police Head Quarters, Satara, 415 001
Phone: (02162) 233340 (Resi.)

c) Educational Qualifications:-

Degree	Subject	Class	Year
B.Sc.	Zoology	I st	1975
M.Sc.	Zoology	II nd (Cell Biology)	1977
M.Phil.	Animal Physiology	‘ A ’ Grade	1988
Ph.D.	Toxicology	-----	2000

d) Teaching Experience:-

- i. One Year at Junior College.
- ii. 37 Years at Senior College.

e) Administrative experience:-

- i. 30 Years as Head of the Department.
- ii. 10 years as a Vice Principal

2. Awards:-

- i. Ideal Teacher Award from Marathi Vruttapatra Sanghatana, Mumbai.
- ii. Life time Achievement Award in International Conference, at Colombo, Srilanka.

3. Academic Achievements:-

- i. Member of Academic Council, Shivaji University, Kolhapur 1995.
- ii. Chairman B.O.S. in Zoology, Shivaji University, Kolhapur 1995-99
- iii. Member of Faculty of Science, Shivaji University, Kolhapur, 1995-99
- iv. Chairman, University Syllabus Sub-Committee for B.Sc. I, II & III Shivaji University, Kolhapur, 1995-98.
- v. Member of B.O.S. in Zoology, Shivaji University, Kolhapur 1983-86.
- vi. Member of B.O.S. in Zoology, Shivaji University, Kolhapur 2000-2005
- vii. Member of Faculty of Science, Shivaji University, Kolhapur 2000-2005
- viii. Member of B.O.S. in Zoology, Shivaji University, Kolhapur 2005-2010
- ix. Member of B.O.S. in Zoology, Shivaji University, Kolhapur 2010-2015
- x. Member of Faculty of Science, Shivaji University, Kolhapur 2005-2010
- xi. Member of Vigilance Committee, Shivaji University, Kolhapur, 1996, 1997, 2002 and 2003.
- xii. Member of selection Committee (As a expert nominated by Vice Chancellor Shivaji University, -Kolhapur.
- xiii. Member, University for B.Sc. syllabus subcommittee on UGC Curriculum for B. Sc. 1 - 2002-2003.
- xiv. Member, University syllabus subcommittee on U.G.C. curriculum for B.Sc.II\2003-2004.
- xv. Member of vocational courses committee, Shivaji University, Kolhapur.
- xvi. Member of Syllabus Subcommittee, on U.G.C. curriculum B.Sc. III 2004-05
- xvii. Member of Text-Book Bureau, Shivaji University, Kolhapur.
- xviii. Nomination on B.O.S. in Sericulture as an expert for C.O.C. in Sericulture.
- xix. Co-ordinator, career orientated courses in sericulture.

- xx. Member of Lapses committee, Shivaji University, Kolhapur.
- xxi. Member of Expert committee for preparation of **Zoology glossary in Marathi, Commission for Scientific and technical terminology, HRD Ministry, New-Delhi.**
- xxii. Member of Expert committee for **preparation of Environmental Science Glossary in Marathi, Commission for Scientific and technical terminology, HRD Ministry, New-Delhi.**
- xxiii. Research Guide for M. Phil. and Ph.D.
- xxiv. Member of Syllabus committee for Ph.D.- Solapur University, Solapur
- xxv. Member of Syllabus Subcommittee for Ph.D. – Bharati Vidyapeeth, Pune.
- xxvi. Refree for Ph.D.-Marathwada University, Mumbai university, Nagpur University and Bharati Vidyapeeth,Pune.
- xxvii. Member of Exam Reformation Committee, Shivaji University, Kolhapur.

4. Other Curricular Activities :-

- i. Worked as ‘Organizing Chairman’ of IInd Annual conference of Zoology teachers in Shivaji University, Kolhapur on “ New Aspects in Zoology “ organized by L.B.S. College, Satara.
- ii. Worked as organizing secretary of “National conference on Recent trends in Biotechnology” sponsored by UGC and organized by Dept. of Zoology L.B.S. College, Satara.
- iii. Worked as Convener, National workshop on organic farming and agricultural allied businesses sponsored by UGC and Organized by Department of Zoology , L.B.S. College, Satara.
- iv. Worked as Convener, National workshop on Environmental Science and Related Problems. Organized by Department of Zoology, L.B.S. College, and Satara.
- v. Worked as Convener, National Conference on Global Warming and

Conservation Strategies, Organized by Department of Zoology, L.B.S. College, Satara.

- vi. Co-ordinator of meeting of Experts for preparation of Zoological Dictionary prepared by National Commission for Scientific and Technical words, HRD Ministry, New Delhi.
- vii. Co-ordinator, Career orientated course in sericulture.
- viii. Co-ordinator, Career orientated course in Environmental awareness.
- ix. Founder member of “Zoology Teachers Association” Shivaji University, Kolhapur.
- x. Worked as Convener, National Conference on “Environmental Biotechnology” Organized by Department of Zoology, L.B.S. College, Satara.
- xi. Member of “International Society of Zoological Sciences”
- xii. Organizing Secretary, 2nd International Conference on Science and Technology for Society, ICSTS-2015. At Colombo, Srilanka.
- xiii. As a Chief Guest, 2nd International Conference on Science and Technology for Society, ICSTS-2015. At Colombo, Srilanka.
- xiv. Worked as Convener, International Conference.
- xv. Member of Scientific Advisory Committee, 3rd International Conference on Innovative Research in Science and Technology, (ICRST -2017).
- xvi. Resource person at National and International Conference.

5. Books Published :-

- i. Environmental studies.
- ii. Recent Advances in Zoology Research (Volume I), Wizcraft Publications and Distribution Pvt. Ltd. Solapur- 413001, ISBN 978-93-83183-61-6 (2014)
- iii. Proteins and Proteases Activity During Development of *M. Separata* , Lap Lambert Academic Publishing, Germany, 978-3-659-78210-7(2015).

6. Research Career:-

A. Papers Read in the Conferences:-

1. Dr. S. G. Nanaware and R. G. Patil :-

Influence of Natural Piscicide from the fruits of *Acacina concina* on the behaviour of *Sarotherodon mossambicus*, Proc-77 Indian Science Congress, Abstracts 264, pp.152, 1990.

2. Dr. S. G. Nanaware and R. G. Patil :-

Histopathological changes in some organs of fish *S. massambicus* after exposure to the plant toxin *A. concina*. National symposium on modern trends in fish biology research, Bhagalpur (India) Jan. 17-20, 1990.

3. Dr. S. G. Nanaware and R. G. Patil :-

Effect of alcoholic extract of the fruits of *Acacia Sinuata* (Lour.) merr. On the mortality of undersirable fish *Sarotherodon mossambicus* in pisciculture, J. Animal Physiol; 12: 109-112, 1994 proceedings of the XV Annual conference of Indian Society for comparative animal physiology, and symposium of biomedical aspects of animal physiology Gulberga- 16-18 Dec. 1993.

4. Dr. S. G. Nanaware and R. G. Patil:-

Effect of alcoholic extract of fruits of *A. Sinuata* on haematological parameters of freshwater fish *L.rohita*. XVI conference of Comparative Animal Physiology on clinical physiological dia'ganosis, Nashik, 23-30 Oct., 1994, Abstracts -pp63.

5. Dr. R. G. Patil and Dr. S.G. Nanaware :-

Comparative study on the haemolytic activity of plant toxin extracted from leaves of *Lasiosiphon eriocephalus* (Dec.) in some freshwater fishes. National Symposium on Eco-environmental impact and organism response. Held at Govt. Mahavidyalaya, Amravati - 15-17 Oct. 1994, Page No. 19, 1-19.4.

6. Dr. R. G. Patil and Dr. S. G. Nanaware :-

Effect of phytotoxin from fruits of *Sapindus laurifolius* (Vahl.) on the oxygen consumption of freshwater fish *Cyprinus carpio* National Symposium on Eco-environmental impact and organism response Held at Govt. Mahavidyalaya, Amaravati - 15 - 17 Oct., 1994, page No. 28, 1-28.3

7. Dr. R. G. Patil and Dr. S.G. Nanaware :-

Effect of ichthyocide in the fruits of *Sapindus laurifolius* on the haemoglobin contents of some commercially important freshwater fishes. XVII Annual Conference of Indian Society for comparative animal physiology and symposium on physiology and marine resources, Panaji, 23-25 Aug. 1995, Abstract - Page No. 23.

8. Dr. R. G. Patil and Dr. S.G. Nanaware :-

Studies on the phytotoxin from the fruits of *S. laurifolius* (Vahl) induced haematological changes in the blood of *Cirrhinus mrigala*. Proceeding of the 82nd Indian Science Congress part III, 1995.

9. Dr. R. G. Patil and Dr. S.G. Nanaware :-

Effect of plant toxin from *Sapindus Laurifolius* on the nutritive value of the freshwater fish *Catla catla*. 4th National symposium on animal and their environment, Bangalore -1998, Abstracts - 56, pp. - 58.

10. Dr. S. G. Nanaware and R. G. Patil :-

Effect of natural piscicide from *L.eriocephalus* on the nutrient value of the *C. carpio*. National Symposium on “The trends in environmental and evolutionary biology “, Dharwad, 1 - 3rd March 2001, Abstracts, Page No. 6, Tox AB : 11

11. Dr. S. G. Nanaware and R. G. Patil :-

Studies on the effect of Phytotoxin from *S. laurifolius* on the nutritive value of the freshwater fish *L. rohita* (Ham.), International conference of SAARC countries on Biotechnology in Agriculture Industry and Environment, Karad 28-30¹¹ December, 2001, Abstracts, page No. 162, E - 40.

12. Dr. R. G. Patil and Dr. S. G. Nanaware:-

Comparative study on the hemolytic activity of phytotoxin from fruits of *Sapindus kaurifolius* (Vahl.) in some freshwater fishes. International conference on SAARC countries on Biotechnology in Agriculture industry and environment, Karad, 28-30th Dec. 2001.

13. Dr. R. G. Patil and Dr. S. G. Nanaware;-

Study of toxicity of piscicide from *Sapindus laurifolius* (Vahi.) in the freshwater fish *Catla catla*. National symposium on recent trends in life sciences with special reference to the wild life and conservation, amaravati 16th to 19th Nov. 2002, Abstracts.

14. Dr. R. G. Patil and Dr. S. G. Nanaware;-

Study of mortality in freshwater fish *C. mrigala*. after exposure to the sub lethal dose, of phytotoxin from *L. eriocephalus*. IInd Annual

conference of Zoology Teachers in Shivaji University on “ New Aspects in Zoology “ 15th Dec. 2002, Satara.

15.Dr. P.P. Yadav, Dr. S. G. Nanaware and R G. Patil:-

Effect of eye stalk ablation on the carbohydrate metabolism in *Semperala maculata* - IInd Annual conference of Zoology Teachers on ‘ New Aspects in Zoology, 15 Dec. 2002’, Satara.

16.Dr. R. G. Patil and Dr. S. G. Nanaware :-

Studies on the effect of phytotoxin from *Lasiosiphon eriocephalus* (Dec.) on the mortality of freshwater fish *Cyprinus carpio*. National conference on Zoology - vision for 21st Century, Bangalore, 29-31 Dec. 2002.

17.Dr. R.G. Patil. Dr.S.G. Nanaware and Dr. P. P. Yadav :-

Influence of sublethal pesticide from fruits of *A. cacia-sinuata* on the freshwater Fish *Catla-catla*. 90th science congress Bangalore, 3-8 Jan. Abstracts.

18.Dr. P.P. Yadav. Dr. S. G. Nanaware and R. G. Patil ;-

Impact of Ovotesticular hormones on the polysaccharide metabolism in the spermatheca of garden slug *Semperala maculata* - 90th Indian Congress, Bangalore, 3-8 Jan.2003.

19.Dr. R.G.Patil & S.G. Nanaware :-

Haemolytic activity of phytotoxin from *S. laurifolius* in the freshwater fish *C. Carpio* - Accepted for “ Shivaji University Journal dated 24th April 2003.

20.Dr. R.G.Patil . S.G. Nanaware & R.R. Ohol :-

Studies on the toxicity of ichthyocide from *A. sinuata* (Lour.) more in the freshwater fish *C. mirgala* (Ham.) - National Symposium on

recent trends in Biology and Biotechnology, Kolhapur 9-11 Oct. 2003, Abstracts, No. 135, pp 53.

21.Dr.R.G. Patil, Dr.S.G. Nanaware and V.B. suoucade :-

Study of oxygen consumption in the freshwater fish *L.rohita* after exposure to the phytotoxin from *L. eriocephalus* (Dec.) National symposium on recent trends in Biology and Biotechnology, S.U. Kothapen Kolhapur, 9-11 Oct., 2003, Abstracts No.227, PP 11 .

22.R.G.Patil, Dr.P.P.Yadav, R.R.Ohol, V.B.Supugade, S. G. Nanaware-

Impact of eye stalk abolition on polyacrylate metabolism in the spermatheca of Garden slug. - National symposium on recent trends in Biology and Biotechnology, S.U. University Kolhapur, 9-11 Oct. 2003, Abstracts No. 6-pp 11.

23.R.G.Patil, S. G. Nanaware-

Studies on the effect of phytotoxin from *S. laurifolius* on the nutritive value of the fresh Water fish *C. carpio* (Lin), National conference on "Fish and their environment" Dr. B.A. Ambedkar, Marathwada University, Aurangabad. 9 to 11 Feb. 2004.

24.R.G.Patil, S. G. Nanaware and V.B. Supugade.-

Study of phytotoxin from *L. eriocephalus* on the nutritive value of the fresh water fish *L. rohita*. National symposium on recent trends in animal reproduction with special emphasis on Biotechnology, Sawantwadi, 4-5, Feb. 2005.

25.R.G.Patil, Sathe T.V., Kiran Shinde, P.M. Bhoje and Thite-

Biodiversity of Dragonflies (Odonata) from western ghats of Maharashtra, India. **4th WDA International symposium of Odonatology, Organised by De Vigo University, Pontevedra (Spain) 27-30, July-2005**

26.R.G.Patil, Dr.P.P.Yadav. V.B.Supugade. S. G. Nanaware-

Impact of Eye-stalk ablation on the mucopolysaccharide regulation in the albumen gland of *S. maculata*, National Workshop on Recent Trends in Biotechnology, Satara, P.P. 9, 28-29 Mar. 2007

27.R.G.Patil, V.B.Supugade. Sawant V.A., Jadhav B.V.

Working Conditions and Health status of workers in processing units. National workshop on recent trends in Biotechnology sponsored by U.G.C. and organized by L.B.S. College, Satara. P.P.18, 28-29, March, 2007

28.R.G.Patil, V.B.Supugade. S. G. Nanaware-

Haemolytic activity of *lasiosiphon* eriocephalus in the economically important fish *Cyprinus carpio*. National workshop on recent trends in Biotechnology sponsored by U.G.C. and organised by L.B.S. College, Satara. P.P.45, 28-29, March, 2007

29.R.G.Patil, V.B.Supugade. S. G. Nanaware-

Toxicity of the phytotoxin from *Sapindus laurifolius* in the fresh water fish *Labeo rohita*. National workshop on recent trends in Biotechnology sponsored by U.G.C. and organized by L.B.S. College, Satara. P.P.54, 28-29, March, 2007

30.R.G.Patil, Dr.P.P.Yadav. V.B.Supugade. B.V. Jadhav-

Diversity of ichthyofauna, taxonomy and fishery from Yewati reservoir, Satara (M.S.) National workshop on recent trends in Biotechnology sponsored by U.G.C. and organized by L.B.S. College, Satara. P.P.100, 28-29, March, 2007

31.R.G.Patil, Dr.P.P.Yadav. R.R.Ohol. V.B.Supugade.

Study of diversity of crustaceans in Kanher and Urmodi dam, in Satara District. National workshop on recent trends in Biotechnology

sponsored by U.G.C. and organized by L.B.S. College, Satara.28-29, P.P.128, March, 2007

32.R.G.Patil, Dr.P.P.Yadav. R.R.Ohol. V.B.Supugade., B.V. Jadhav

Diversity of Ichthyofauna, Taxonomy and fishery from Kanher reservoir, Satara District. (M.S.) U.G.C. sponsored state level conference on “Trends in Applied Zoology, Environment and Biotechnology” Patan (Satara), Abstracts No.22, 5-6, Jan. 2009

33.R.G.Patil, S. G. Nanaware-

Study of haemolytic activity of *Lasiohiphon eriocephalus* in the fresh water fish *Catla catla*. U.G.C. sponsored state level conference on “Trends in Applied Zoology, Environment and Biotechnology” Patan (Satara), Abstracts No.63, 5-6, Jan. 2009

34.R.G.Patil, A.V. Panhale., S. G. Nanaware-

Respiratory activity in the freshwater fish *Cirrhinus mrigala* (HAM) after exposure to the phytotoxin from *Acacia sinuata* (Lour) National workshop on Organic Farming and Agricultural allied businesses, organized by L.B.S. College, Satara, Abstracts P.P. 1, 23-24, Jan. 2009

35.R.G.Patil, V.B.Supugade. Pratibha Savant, S.B. Waghmare, B.V. Jadhav

Physico-chemical parameters of Kanher Dam. Reservoir, Satara District of Maharashtra. National workshop on Organic Farming and Agricultural allied businesses, organized by L.B.S. College, Satara, Abstracts P.P. 7, 23-24, Jan. 2009

36.R.G.Patil, Pratibha Sawant and Vanita Jadhav

Study of Toxicity of alcoholic extract of leaves *Vitex nigundo* in the fresh water snail *Viviparova bengalensis*. National workshop on

Organic Farming and Agricultural allied businesses, organized by L.B.S. College, Satara, Abstracts P. P. 8, 23-24, Jan. 2009

37.R.G.Patil, Pradip Yadav. V.B.Supugade. S. G. Nanaware-

Correlation between physico chemical parameters and zooplankton diversity. National workshop on Organic Farming and Agricultural allied businesses, organized by L.B.S. College, Satara, Abstracts P.P. 11, 23-24, Jan. 2009

38.R.G.Patil, V.B.Supugade. P.P. Yadav and Vanita Jadhav-

Study of effect of *Clerodendron inerme* (Geartn) on the Biochemical contents of gills of fresh water snail *Viviparous bengalensis* (Lamarck) National workshop on Organic Farming and Agricultural allied businesses, organized by L.B.S. College, Satara, Abstracts P.P. 15, 23-24, Jan. 2009

39.R.G.Patil, S. G. Nanaware-

Study of hematological parameters in the fresh water fish *Catla catla* (HAM.) after exposure to the alcoholic extract of fruits of *Acacia sinuata* (DEC.) Merr. National workshop on Organic Farming and Agricultural allied businesses, organized by L.B.S. College, Satara, Abstracts P.P. 18, 23-24, Jan. 2009

40.R.G.Patil, V.B.Supugade. Bhure D.B. Jadhav B.V.-

“Some haematological parameters of pycnonotus cofer infected with helminith parasites in Satara District (M.S.) India” National workshop on Organic Farming and Agricultural allied businesses, organized by L.B.S. College, Satara, Abstracts P.P. 28, 23-24, Jan. 2009.

41.R.G.Patil, V.B.Supugade. Bhure D.B., Jadhav B.V.

Seasonal fluctuation in the rotifer community of Yewati dam reservoir Satara district (M.S.) **International conference on advances in**

Biosciences : from Darwin to Dolly & Beyond, Nanded, Abstracts P.P.
74, 12-14, Feb., 2009.

42.R.G.Patil and S. G. Nanaware-

Study of haematological parameters in the fresh water fish *Catla catla* (Ham.) after exposure to the alcoholic extract of fruits of *Acacia sinuata* (Dec.) Merr. **International conference on advances in Biosciences : from Darwin to Dolly & Beyond, Nanded, Abstracts P.P.**
193, 12-14, Feb., 2009.

43.R.G.Patil

Effect of Phytotoxin from *L. eriocephalus* on the nutritive value of fish *C. carpio*. National Conference on Life Sciences with Special Reference to Environmental Biotechnology and Biodiversity. 2nd and 3rd, Feb.2010. Dept.of Zoology, Vivekanand College, Kolhapur.

44.R.G.Patil

Study of Toxicity of alcoholic extract of leaves *Vitex nigundo* in the fresh water snail *Viviparova bengalensis*. Environmental Science and Related problems.1st -2nd Sept., 2010. Dept. of Zoology, L.B.S. College, Satara.

45.R.G.Patil

Phytotoxin affected decreased respiratory activity in the Economically important fish *Catla catla*, 117-119 National Conference on Global Warming and Conservation Strategies.21st and 22nd, Dec.2010 Dept. of Zoology, L.B.S. College, Satara.

46.R.G.Patil, V.B.Supugade and M.P.Gujar-

Study of Toxicity of Phytotoxin from *Sapindus laurifolius* in some freshwater fishes. National Conference on Recent trends in Life

Sciences with reference to Biotechnology and Applied Zoology, Sept.2013.Organized Department of Zoology, Y.C.College, Karad.

47.R.G.Patil and Jadhav Deepali

Study of Proteins and Proteases Activity during Period of Embryogenesis of Armyworm *Mythimna Separata*. International Conference on Life Science and Biological Engineering. Nov.2013 Organized by Higher education forum Osaka, Japan

48.R.G.Patil-

Studies on respiratory distress in the fish *Cirrhinus mrigala* after exposure to the phytotoxin from *Tephrosia purpurea*. International Conference on Innovations in Energy, Polymer and Environmental Sciences. Jan. 2014. Jointly Organized by Rayat Shikshan Sanstha,Satara, YCIS, Satara and Shivaji University, Kolhapur.

49.R.G.Patil and M.P.Gujar

Pollution study of River Urmodi in district Satara. International Conference on Innovations in Energy, Polymer and Environmental Sciences. Jan. 2014. Jointly Organized by Rayat Shikshan Sanstha,Satara, YCIS, Satara and Shivaji University, Kolhapur.

50. R.G.Patil, Jadhav Deepali and Mayuri Gujar

Study of Proteins during larval Development of *Mythimna Separata* (Walker). International conference on Trends in Economics, Humanities and Management. 13th -14th August, 2014.Pattaya (Thailand).

51.R. G. Patil and M.P.Gujar

Ichthyofaunal Diversity in Urmodi River District Satara, Maharashtra (India). National Conference on “Life Sciences: An Outlook and Challenges” 12th and 13th September, 2014.

52. R.G.Patil, Jadhav V.R., Supugade V.B. and Mayuri Gujar

Study of oxygen consumption in snail *Viviparous bengalensis* after exposure to the phytotoxin from *Azadirchta indica*. National Conference in “Environmental Biotechnology, 29th and 30th December, 2014.

53.R.G.Patil and M.P.Gujar

Ichthyofaunal diversity in Krishna river in Satara District, Maharashtra, India, International conference on Science and technology for Society, ICSTS, 2015, at Colombo, Srilanka.

7. Refresher Courses/Conferences Attended :-

A. International Conferences:-

- i. International conference of SAARC countries on Biotechnology in Agricultural, Industry and Environment, Karad 28-30th December, 2001.
- ii. 4th WDA International symposium of Odonatology, Organized by De Vigo University, Pontevedra (Spain) 27-30, July-2005
- iii. International conference on advances in Biosciences: from Darwin to Dolly & Beyond, Nanded, Abstracts P.P. 193, 12-14, Feb., 2009.
- iv. International Conference on Biotechnology for Better Tomorrow, Dept. of Microbiology, Dr. Babasaheb Ambedkar Marathwada University, Sub-Campus Osmanabad, (M.S.) India. 6th to 7th, Feb. 2011.
- v. International Conference on Life Science and Biological Engineering. 7th -9th Nov., 2013. at Osaka Japan.
- vi. International Conference on Innovations in Energy, Polymer and Environmental Sciences. 10th -12th Jan., 2014. at Y.C.I.S. Satara.
- vii. International conference on Trends in Economics, Humanities and Management. 13th -14th August, 2014. Organized by International Centre

of Economics, Humanities and Management, Pattaya (Thailand). at Pattaya, Thailand.

- viii. International conference on Science and technology for Society, ICSTS,2015, 19th ,20th and 21st May, 2015, at Colombo, Srilanka.
- ix. International Conference on Conservation of Non- Conventional Energy Sources through Advanced Technology and its Socio-economic Approaches for Sustainable Development, May 2017, Singapore.

B. National , State level Conferences:-

- i. Conference Arranged by ISCAT at Gulbarga, University Gulbarga, December, 1993.
- ii. National Symposium on the trends on Environmental and Evolutionary Biology, Satara 1st - 3rd March 2001.
- iii. National Seminar on Microbial Technology in industry and Agriculture, Satara 16th March 2002.
- iv. IInd Annual conference of Zoology Teachers in Shivaji University, Kolhapur, at S.G.M. College, Karad, 24th Feb. 2002.
- v. IInd Annual conference of Zoology Teachers in Shivaji University areas on “ New Aspects in Zoology” at Lal Bahadur Shastri College, Satara, 15*060.2002.
- vi. Discussion on UGC curriculum L.B.S. College, Satara,
- vii. Seminar on “Energy resources & environment “- Shahajiraje Mahavidyalaya, Khatav - 28th Sept. 2002.
- viii. Training for college teachers for New UGC syllabus for B.Sc.I, Shivaji University, Kolhapur, 29-30 Aug. 2003.
- ix. National symposium on recent trends in Biology and Biotechnology and Biotechnology and 23rd Annual Session of the Academy of

environmental Biology organized by Dept. of Zoology Shivaji University, Kolhapur, 9-11 Oct.2003.

- x. National conference “Fish and their environment” Dr. B.A. Ambedkar, Marathwada University, Aurangabad, 9-11 Feb., 2004.
- xi. Training workshop for college teachers sponsored by S.U. Kolhapur, Organized by Y.C.I.S. Satara. 7-8, Aug. 2004.
- xii. Workshop on basic techniques in animal self culture, Organised by Dept. of Bio-chem., S.U. Kolhapur. and National center for cell culture, Pune. 17-18, Aug. 2004.
- xiii. Discussion on U.G.C. Curriculum Organized by Sangmeshwar College, Solhapur. 28-29, Oct., 2004.
- xiv. Discussion on U.G.C. Curriculum Organized by Rajaram College, 2004.
- xv. National conference on “Fish and their environment” Dr. B.A. Ambedkar, Marathwada University, Aurangabad. 9 to 11 Feb. 2004.
- xvi. National symposium on recent trends in animal reproduction with special emphasis on Biotechnology, Sawantwadi, 4-5, Feb. 2005.
- xvii. National workshop on recent trends in Biotechnology sponsored by U.G.C. and organized by L.B.S. College, Satara. P.P.45, 28-29, March, 2007.
- xviii. U.G.C. sponsored state level conference on “Trends in Applied
 - i. Zoology, Environment and Biotechnology” Patan (Satara),
 - ii. Abstracts No.63, 5-6, Jan. 2009.
- xix. National workshop on Organic Farming and Agricultural allied
 - i. Businesses, organized by L.B.S. College, Satara, Abstracts P.P. 1,
 - ii. 23-24, Jan. 2009.
- xx. National Conference on Life Sciences with Special Reference to Environmental Biotechnology and Biodiversity. 2nd and 3rd, Feb.2010.

- xxi. National workshop on Environmental Science and Related Problems. Organized by Department of Zoology, L.B.S. College, Satara.1,2 Sep.2010.
- xxii. National Conference on Global Warming and Conservation Strategies, Organized by Department of Zoology, L.B.S. College, Satara.21,22 Dec.2010.
- xxiii. National Conference on Opening up of Overseas Universities in India, Organized by L.B.S. College, Satara 23rd,24th Dec., 2010.
- xxiv. One day workshop on Research methodology Organised by L.B.S.College, Satara 29 Jan. 2011.
- xxv. Workshop on career opportunities in Life Sciences Organized by L.B.S. College, Satara 31, Jan. 2011.
- xxvi. National Conference on Recent trends in Life Sciences with special reference to Animal Physiology, Biotechnology and Biodiversity. Dept. of Zoology, S.G.M. College, Karad.19th -20th Oct., 2011.
- xxvii. National Conference on Recent trends and techniques in Biosciences. Arts, Commerce and Science College, Palus 30th Nov.-1st Dec., 2011.
- xxviii. National Seminar on Biodiversity: Conservation and Protection. Barati Vidyapeeth Deemed University, Pune Yashwantrao mohite College, Pune. 13th -14th March, 2012.
- xxix. National Conference on Recent trends in Applied Zoology, Dept. of Zoology and Fisheries, Y.C.I.S. Satara 28th – 29th Dec.2012.
- xxx. National Seminar on Recent Advances in Life Sciences with Special Reference to Biotechnology. Dept. of Life Sciences, Smt. Kasturbai Walchand College, Sangli. (M.S.)3rd and 4th Jan. 2013.
- xxxi. National seminar on “Proposed Maharashtra Universities Act and Quality of Higher Education” Organized by Shivaji University Teachers

Association(SUTA), 17th February,2013 at Y.C. Institute of Science,Satara.

- xxxii. National Conference on Recent trends in Life Sciences with reference to Biotechnology and Applied Zoology. Department of Zoology, Y.C. College, Karad Sept.2013.
- xxxiii. One Day Workshop on Revised syllabus of Zoology, B.Sc.I, Paper II,IV Organized by Department of Zoology, L.B.S. College, Satara, 15th October, 2013.
- xxxiv. National Conference on “Frontiers in Chemical and Biological Sciences” P.D.V.P. Mahavidyalaya Tasgaon, Tasgaon.
- xxxv. Training workshop for College Teachers in Zoology at B.Sc.II- Revised Syllabi, organized by P.G. Department of Zoology, S.G.M. College, Karad on 31st July, 2014.
- xxxvi. One day State level workshop on “Animal Taxonomy”, Organized by Dept. of Zoology, Smt. K.W.C. Sangli.
- xxxvii. National Conference on “Life Sciences: An Outlook and Challenges” organized by Department of Botany and Zoology, Dahiwadi College, Dahiwadi, Tal.-Man Dist. Satara.12th and 13th September, 2014.
- xxxviii. National Conference on “Environmental Biotechnology” Organized by Department of Zoology, L.B.S. College, Satara, 29th and 30th December, 2014.
- xxxix. One day workshop on “Revised syllabus for B.Sc.III, Sem.V” organized by Department of Zoology, Mudhoji College, Phaltan, 21st August,2015.
- xl. National Seminar on “Scope and Opportunities for skill based courses in Industries” Organized by L.B.S. College, Satara, 6th May, 2016.

- xli. National Conference on “Environmental Problems and Biodiversity”
Organized by Department of Zoology, L.B.S. College, Satara, 24th and
25th January, 2017.

C. Refresher Courses

Refresher Course in Zoology, Shivaji University, Kolhapur (1994)

8. Research Projects Undertaken :-

Research Projects Completed

Major

- i. Hydrobiological study with assessment of pollution and Ichthyofauna
in river Krishna and its tributaries in Satara district.

Minor

- i. Biodiversity of crustaceans in Satara Tahasil (UGC)
- ii. Eco-Biological study with reference Biodiversity of fishes in Dhom and
Kanher Dam (Satara district) (UGC)

9. Research Publications:-

A. Research Papers Published in International Journals

- i. Studies of the effect of phytotoxin from *Sapindus laurifolius* on the nutritive
value of the freshwater fish *Labeo rohita* (Ham) (2002) – Proc. Of
International conf. on Biotech. In Agri. & Environ. Held at YCC, Karad.
- ii. Comparative study on the haemolytic activity of phytotoxin from fruits of
Sapindus laurifolius (Vahl) in some freshwater fishes (2002)- Proc. Of
International of SAARC countries on Biotechno. In Agri. Industry and
environment held at YCC Karad.
- iii. Respiratory activity in the freshwater fish *Catla catla* (Ham) after exposure to
the phytotoxin from *Acacia sinuate*.(2010)- International Journal of Biological
Science.

- iv. Biochemical analysis to study the nutritive value of the fish *Catla catla* after exposure to the phytotoxin from *Lasiosiphon eriocephalus* (2010) – International J. of Biosc. 1,41-44,2010.
- v. Comparative Study of the effect of phytotoxin from *Acacia sinuate* (Merr) on Haematological parameters of some freshwater fishes (2010) J. of Nature Environ. And poll. Tech.9-4 843-846.
- vi. Study of Peripheral Blood leucocyte Count in Women suffered from chronic obstructive Pulmonary Disease from Rural area in Sangli District.(2012) - International J. of Biol.sci. Vol III(1st Issue)pp35-42,2012.
- vii. The Assessment of Pollution in the River Venna in District Satara. International Journal of Global Research in Science and Technology.
- viii. Relationship between chronic obstructive pulmonary diseases and body mass index in women exposed to biomass fuel smoke pp79-84, (2013)- International Journal on Environmental Sciences. ISSN No.0976-4534.
- ix. Study of Proteins and Proteases Activity during Period of Embryogenesis of Armyworm *Mythimna Separata* (2013)- Proceedings of International Conference on Life Science and Biological Engineering ISBN: 978-986-89298-1-4 pp 2164-2173 Osaka, Japan.
- x. Studies on respiratory distress in the fish *Cirrhinus mrigala* after exposure to the phytotoxin from *Tephrosia purpurea* (2014) – Proceedings of International Conference on Innovations in Energy, Polymer and Environmental Sciences,ISBN 978-81-928732-0-6,pp202-205.
- xi. Studies on Cestode parasites of *Gallus gallus domesticus* from Sangali District (MS), INDIA (2014) – Proceedings of International Conference on Innovations in Energy, Polymer and Environmental Sciences,ISBN 978-81-928732-0-6,pp302-308.

- xii. Pollution study of River Urmodi in district Satara. (2014) – Proceedings of International Conference on Innovations in Energy, Polymer and Environmental Sciences, ISBN 978-81-928732-0-6, pp196-201.
- xiii. Variations in physic-chemical parameters of Krishna River at Wai city. (2014) – Proceedings of International Conference on Innovations in Energy, Polymer and Environmental Sciences, ISBN 978-81-928732-0-6, pp212-215.
- xiv. Chronic obstructive pulmonary diseases in women in Karanale village of Sangali District, exposed to biomass fuel smoke (2014) – Proceedings of International Conference on Innovations in Energy, Polymer and Environmental Sciences, ISBN 978-81-928732-0-6, pp164-173.
- xv. Study of Proteins during larval Development of *Mythimna Separata* (Walker) 2014. Proceedings of International conference on Trends in Economics, Humanities and Management. ISBN 978-93-84468-02-6 pp 197-199. Pattaya Thailand.
- xvi. Biochemical Analysis to study the nutritive value of the Fish *Catla catla* after Exposure to the Phytotoxin from *Lasiosiphon eriocephalus* (2014)- Proceedings of International conference on Trends in Economics, Humanities and Management. ISBN 978-93-84468-02-6 pp 200-201. Pattaya Thailand.
- xvii. Ichthyofaunal diversity in Urmodi River, District Satara, Maharashtra (India).(2014)- International Journal of Flora and Fauna Vol.20,No.2 (Special Issue) ISSN0971-6920 pp 155-158.
- xviii. Some Haematological parameters of *Columba elphinstonii* infected with helminth parasites in Satara Distruct.(M.S.) India. (2014) International Journal of Flora and Fauna Vol.20,No.2 (Special Issue) ISSN0971-6920 pp 265-266
- xix. Mortality study of *Viviparus bengalensis* after exposure to the phytotoxin from *Azadirachta indica* (2015) International Journal of Researches in Biosciences, Agriculture and Technology” ISSN No. 2347-517X pp 92-94.

- xx. Evaluation of Physicochemical factors of river Koyana in District Satara (Maharashtra-India) (2015) International Journal of Researches in Biosciences, Agriculture and Technology” ISSN No. 2347-517X pp111-113.
- xxi. Study of Biochemical analysis with reference to the nutritive value of fish *Cirrhinus mrigala* after exposure to the phytotoxin from *Lasiosiphon eriocephalus* (2015) International Journal of Researches in Biosciences, Agriculture and Technology” ISSN No. 2347-517X pp 117-119.
- xxii. Study of Piscean tapeworm at Ratnagiri District of Maharashtra State, India” (2015) International Journal of Researches in Biosciences, Agriculture and Technology” ISSN No. 2347-517X pp 125-130.
- xxiii. Ichthyofaunal diversity in Krishna river in Satara District, Maharashtra, India (2015) International Journal of Researches in Biosciences, Agriculture and Technology” ISSN No. 2347-517X pp 340-345.
- xxiv. Study of chronic obstructive pulmonary diseases in women exposed to biomass fuel smoke, in rural area of Sangli District, Maharashtra, India (2015) International Journal of Researches in Biosciences, Agriculture and Technology” ISSN No. 2347-517X 223-226.
- xxv. Physicochemical parameters and Ichthyofaunal Diversity in Kudali River, District Satara, Maharashtra (India) (2017) International Journal of Researches in Biosciences, Agriculture and Technology, Volume V, Issue I, ISSN No. 2347-517X,5-8
- xxvi. Assessment of diversity,distribution and abundance of Molluscans in Kanher water reservoir, Satara (Maharashtra-India) (2017) International Journal of Researches in Biosciences, Agriculture and Technology, Volume V, Issue I ISSN No. 2347-517X,62-64
- xxvii. Indoor air pollution and respiratory dysfunction in women exposed to biomass fuel smoke in rural area of Sangli District, (2017) International Journal of

Researches in Biosciences, Agriculture and Technology, Volume V, Issue I
ISSN No. 2347-517X, 54-56.

- xxviii. Comparative study of Respiratory distress in some freshwater fishes after exposure to the phytotoxin from *Sapindus laurifolius*, (2017) International Journal of Researches in Biosciences, Agriculture and Technology, Volume V, ISSN No. 2347-517X,6-9.

B. Research Papers Published in National Journals

- i. Effect of Alcoholic extracts of the fruits *Acacia sinuata* (Lou) Merr. on the mortality of undesirable fish *Sarotheredon mosambicus* in Psciculture. (1994) Ind.J. of comp. Anim.Physiol.12, 109-112.
- ii. Comparative study on the haemolytic activity of plant toxin extracted from leaves of *Lasiosiphon eriocephalus* (Dec.) in some fresh water fishes. (1994) - Proc of National Syomposium on Eco Environment impact & organism response held at Vidarbh Maha. Amravati.
- iii. Effect of phytotoxin from fruits of *Sapindus laurifolius* on the oxygen consumption Of freshwater fish *Cyprinus carpio* (1994)-Proc. Of National symposium on Eco Environment impact & organism response-1994 28.1-28.3.
- iv. Haemolytic activity of phytotoxin from *Sapindus laurifolius* in freshwater fish *Cyprinus carpio* (2003)-J. of Shivaji Uni. Kol.-55-58.
- v. Studies of the effect of phytotoxin from *Sapindus laurifolius* on the nutritive value of the freshwater fish *Cyprinus carpio* (2005) – J. Env. Zool.19 (1):47-51
- vi. Haemolytic activity of *Lasiosiphon eriocephalus* in the economically important fish *Cyprinus carpio* (2007) – Proc.of National Workshop on recent trends in biotechnology, held at L.B.S. Coll. Satara.
- vii. Impact of Eye-stalk ablation on the Muccopolysacchrde Regulation in the Albumen Gland *S. maculata* (2007) – Proc.of National Workshop on recent trends in biotechnology, held at L.B.S. Coll. Satara

- viii. Working condition and health status of workers in processing unit (2007) – Proc.of National Workshop on recent trends in biotechnology, held at L.B.S. Coll. Satara.
- ix. Seasonal fluctuation in the rotifer community of Undale Dam, Dist. Satara.(MS) (2007). – Proc.of National Workshop on recent trends in biotechnology, held at L.B.S. Coll. Satara.
- x. Diversity of Ichthyofauna, Taxonomy and Fishery from Yewati reservoir, Satara.(MS) (2007) – Proc.of National Workshop on recent trends in biotechnology, held at L.B.S. Coll. Satara.
- xi. Study of Diversity of Crustacians in Kanher & Urmodi Dam Dist. Satara.(MS) (2007) – Proc. of National Workshop on recent trends in biotechnology, held at L.B.S. Coll. Satara
- xii. Study of Haematological parameters in the Freshwater fish *Catla catla* (Ham) after exposure to the alcoholic extracts of fruits of *Acacia sinuate* (Merr) (2007) – proc. Of National Symposium in Zoology with special ref. to Biotech. & Bioinfor.39-42 held at YCIS, Satara.
- xiii. Toxicity of the phytotoxin from *Sapindus laurifolius* in the freshwater fish *Labeo rohita* (2007)- Proc. of National Workshop on recent trends in Biotech.28-29, March, 2007-54-59.
- xiv. Study of Oxygen consumption in freshwater fish *Labeo rohita* (Ham) after exposure to the phytotoxin from *Lasiosiphon eriocephalus* (Dec.) (2010) J. Env.Bio-Sci.24.127-129.
- xv. Study of proteins during embryogenesis of army worm *Mythimna separata* (walker) (2010) J. Env.Bio-Sci.24.131-132.
- xvi. Diversity of Ichthyofauna, Taxonomy and Fishery from Ghogaon reservoir, Satara. Dist.(M.S.) (March)(2011) JSI. Special Issue Vol.2, 74-77.
- xvii. Cestode Diversity, Effect and Seasonal prevalence of Domestic fowl *Gallus gallus domesticus* of South Eastern Maharashtra. (March)(2011) JSI. Special Issue Vol.2,90-93.

- xviii. New Vermicomposting Model: A tool for sustainable biodegradable solid waste management in agriculture. (March)(2011) JSI. Special Issue Vol.2,98-103.
- xix. Phytotoxin affected decreased respiratory activity in the Economically important fish *Catla catla*. (March)(2011) JSI. Special Issue Vol.2,117-119.
- xx. Study of Physicochemical factors of Kanher Dam Dist.Satara(MH) (March)(2011) JSI. Special Issue Vol.2,126-128.
- xxi. Ichthyofauna of Dhom Dist. Satara (MH) (March)(2011) JSI. Special Issue Vol.2,133-134.
- xxii. Impact of Ovotesticular hormones on the mucosubstances regulation in the oviduct of garden slug *Semperuia maculate*. (March)(2011) JSI. Special Issue Vol.2,149-153.
- xxiii. Study of Respiratory disease in women exposed to the biomass full smoke from rural area in Sangali Dist. (MH). (March)(2011) JSI. Special Issue Vol.2,154-157.
- xxiv. Some Haematological parameters of *Columba livia* infected with helminth parasites in Satara Dist. (MS). (March)(2011) JSI. Special Issue Vol.2 178-179.
- xxv. Comparative Study on the Effect of Phytotoxin From *Tephrosia purpurea* on the haematological parameters of some fresh water fishes.(2011) JSI. Special Issue Vol.2, 27-29.
- xxvi. Diversity of Ichthyofauna, Taxonomy and Fishery from Kanher Reservoir, Satara District (M.S.) Trajectory (2012). ISSN no. 0975-1165
- xxvii. Biodiversity of Zooplankton in rainy season of Bernal; Jath, District Sangli, Maharashtra. Proc. Of Two days national Seminar on Recent trends in Cell Biology, Biotechnology and Bioinformatics. (2013)
- xxviii. Study of Toxicity of Phytotoxin from *Sapindus laurifolius* in some freshwater fishes. (2013) Pro. of National Conference on Recent trends in Life Sciences with reference to Biotechnology and Applied Zoology. ISBN: 978-93-82795-72-8.PP 52-54.

- xxix. Effect of environmental factors occurring Helminthic infection from sheep at Satara District (M.S.)India.(2013) Pro. of National Conference on Recent trends in Life Sciences with reference to Biotechnology and Applied Zoology. ISBN: 978-93-82795-72-8.pp 65-66.
- xxx. Studies on Cestode parasites of *Gallus gallus domesticus* from Sangli District (M.S.) India (2013) Pro. of National Conference on Recent trends in Life Sciences with reference to Biotechnology and Applied Zoology. ISBN: 978-93-82795-72-8.pp-67-69.
- xxxii. Ecobiological study of river Venna in District Satara (Maharashtra) with reference to the fish diversity (Feb.) (2014) Journal of Science Information, ISSN No. 2229 5836.
- xxxiii. Comparative Study of toxicity of phytotoxin from *Lasiosiphon eriocephalus* in some commercially important freshwater fishes. (Feb.) (2014) Journal of Science Information, ISSN No. 2229 5836.
- xxxiiii. Reduced FEV1 in women exposed to biomass fuel smoke in rural area of Sangli Dist.(2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126,pp1-5.
- xxxv. Toxicity of *Clerodendron inerme* with reference to the biochemical contents of gills of snail, *Viviparous bengalensis* (2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126, 33-36.
- xxxvi. Study of physicochemical parameters and assessment of pollution in Krishna river water in Satara district (Maharashtra),(2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126, pp46-49.
- xxxvii. On a new tapeworm of the genus *Phoreiobothrium* (Linton,1889) from a marine fish, Ratangiri district,(M.S.)India (2014)Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126,pp239-242.
- xxxviii. A new Onchobothridaen Tapeworm, *Uncibilocularis housaii* N.Sp. from marine fish, *Dasyatis Walga* at Ratnagiri District (M.S.), India (2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126,pp 249- 254.

- xxxviii. Assessment of fish diversity in Tarali river, A tributary of Krishna river in Satara District, Maharashtra (India),(2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126, pp290-292.
- xxxix. Study of oxygen consumption in snail *Viviparous bengalensis* after exposure to the phytotoxin from *Azadirchta indica*(2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126,pp312-315.
- xl. Diversity of plankton in Pratpur reservoir with special reference to phytoplankton(2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126,336-340
- xli. Identification and Classification of the Chlorophytum Spp.based on the molecular marker (RBCL) method (2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126, pp 353-356.
- xlii. Effect of dietary food on physical fitness of women (2014) Proceedings of National Conference in “Environmental Biotechnology, ISBN 978-81-8498-4126,374-379.