

**Research Profile of Dr. (Smt.) Rajeshwari D Sanakal, Associate
Professor and HOD of Zoology, KSCD**

Name : Rajeshwari D. Sanakal

Designation : Associate Professor

Educational Qualifications : M.Sc, Ph.D, PGDCA



Scholarships/Awards/Fellowships Availed:

- Received Amrita Devi Bishnoi Gold medal Award constituted by Zoological Society of India, Gaya.
- Edited two books
- Research Guide in Zoology, Karnatak University, Dharwad

Research Guidance (for Ph.D. degree):

One candidate has been successfully guided and one more student is working for Ph.D. under my guidance.

Publications

1. Shama Shavi and Rajeshwari D. Sanakal (2023), A Study On Water Quality Of Malaprabha River Near Munavalli Town Of Belagavi District, Karnataka, Journal of Survey in Fisheries Sciences, , 10(1) ,2378-2387
2. Srinivas B Neglur, Rajeshwari D Sanakal, Muniswamy David (2022). Fenoxapro-P-Ethyl Induced Biochemical Changes in Fresh Water Fish *Cyprinus carpio* under Sublethal Exposure. East African Scholars J Agri Life Sci, 5(1), 1-9. (International Journal Peer reviewed- ISSN 2617-7277).
3. Neglur S B, **Sanakal R D**, David M, Prakash L (2021), "Studies on haematological and histopathological alterations induced by sublethal concentration of fenoxaprop-p-ethyl on freshwater fish *Cyprinus carpio*" Explor Anim Med Res 11(1): 55-66. DOI: 10.52635/EAMR/11.1.55-66(UGC Web of Science-International Journal)
4. Srinivas Bharamappa Neglur, Muniswamy David and **Rajeshwari D. Sanakal** (2021). "Studies on Fenaxoprop-P-Ethyl Induced Antioxidant Response in *Cyprinus carpio L.*" Res. Jr. of Agril. Sci. (Nov-Dec 2021) 12(6): 2185-2192

5. Satapute, P., **Sanakal, R.D.**, Mulla, S.I. B.B.Kaliwal, „Molecular interaction of the triazole fungicide propiconazole with homology modelled superoxide dismutase and catalase” *Environmental Sustainability*, **2019**. <https://doi.org/10.1007/s42398-019-00083-pp-1-11>
6. G. G. Biradar, **R. D. Sanakal**, R. B. Kaliwal, Shivasharan C.T and B.B. Kaliwal . “In Silico Characterization Of Putative Drug Targets In *Pasteurella Multocida*Causing Fowl Cholera”,**2016**,*World Journal Of Pharmaceutical Research*,**Volume 5, issue 3, 1837-1847**
7. P.C.Bhasme, M.M.Kurjogi ,**R.D.Sanakal**,**R.B.Kaliwal**& B.B. Kaliwal, “In Silico Characterization Of Putative Drug Targets In *Staphylococcus Saprophyticus*, Causing Bovine Mastitis” , 2013, **Bioinformation**, 9(7): 339-344
8. M.M.Kurjogi, **R.D.Sanakal**&**B.B.Kaliwal**, 2012, “Identification And Analysis Of Putative Promoter Motifs In Bovine Herpes Virus”, **Bioinformation**, 8(23): 1167-1170.
9. A A. Shetti, **R. D. Sanakal**and B. B. Kaliwal , 2012 Antidiabetic effect of ethanolic leaf extract of *Phyllanthus amarus* in alloxan induced diabetic mice,**Asian Journal of Plant Science & Research**,Volume 2: Issue 1: Page No: 11-15
10. J. F. Chinchali ,**R.D.Sanakal** and B.B Kaliwal, 2012 “Effect of *Clerodendrum serratum*leaf extract on biochemical and oxidative stress parameters of testis in 7, 12-dimethylbenz[a]anthracene induced skin carcinogenesis in Swiss albino mice”, **Recent Research in Science and Technology** 4(7): 08-15 ,ISSN: 2076-5061
11. S.S. Dodamani, **R.D. Sanakal**, andB.B. Kaliwal.,2012. Effect of ethanolic leaf extract of *Nymphaea odorata* on biochemical and oxidative stress parameters of liver and pancreas in alloxan induced diabetic mice. **Res. Opin. Anim. Vet. Sci.** 2(3): 151-157
12. S.S.Dodamani,**R.D.Sanakal**, B.B. Kaliwal2012, ,Antidiabetic efficacy of ethanolic leaf extract of *nymphaea odorata* in Alloxan induced diabetic mice, **International Journal of Pharmacy and Pharmaceutical Sciences** Vol. 4, Issue 2, 338-341.
13. Jayaraj. F. Chinchali, **Rajeshwari. D. Sanakal**andBasappa. B. Kaliwal, 2011, “Evaluation of anticarcinogenic activity of *Clerodendrum serratum* leaf extract on liver and kidney of 7, 12-dimethylbenz[a]anthracene (DMBA) induced skin carcinogenesis in mice”, **European Journal of Experimental Biology**, 1(4):130-141

14. P .Vyshali , K.J.Thara Saraswati, **Rajeshwari Sanakal**&B.B.Kaliwal ,2011, "Inhibition of Aldose Activity by Essential Phytochemicals of *Cymbopogon Citratus* (DC.) Stapf ",**International Journal of Biometrics and Bioinformatics** (IJBB), Volume (5) : Issue (5) : 2011, 257-267
15. Kaliwal B.B. ; Sadashiv S O ; Kurjogi M.M,**Sanakal R.D** ,2011, "Prevalence and Antimicrobial Susceptibility of Coagulase-Negative Staphylococci isolated from Bovine Mastitis", , **Veterinary World**, 4(4),158-161
16. **Rajeshwari D Sanakal**&Basappa B Kaliwal ,2011 , "Vancomycin Resistance Genes in Various Organisms- An Insilico Study", **International Journal of Biometrics and Bioinformatics** (IJBB), Volume (5) : Issue (2) :111-129
17. Kurjogi M. M.,**Sanakal R. D.**, Kaliwal B. B.2010, Antibiotic susceptibility and antioxidant activity of *Staphylococcus aureus* pigment staphyloxanthin on carbon tetrachloride (ccl4) induced stress in swiss albino mice **International Journal of Biotechnology Applications** ,Vol. 2, Issue 2, , pp-33-40
18. **R.D.Sanakal**,S,S,Ingalhalli, K.K.Singh, S. Basavarajappa, S.B.Hinchigeri and C.J.Savanurmamath "Infectious Flacherie of the Silkworm *Bombyx mori* in Northern districts of Karnataka, India".(1996), **Indian Journal of Sericulture**, Vol.35., No .2, 90-94
19. K.K.Singh, S.S.Ingalhalli, **R.D.Sanakal**, S.B.Hinchigeri, S.Basavarajappa and C.J.Savanurmamath, "Characterisation of a geographical isolate nuclear polyhedrosis virus of the silkworm, *Bombyx mori* (L.)", (1996), **Sericologia**, 36(4), pp. 633-639.
20. C.J.Savanurmamath, S.Basavarajappa, S.B.Hinchigeri, S.S.Ingalhalli, K.K.Singh and **R.D.Sanakal** ,"Pre-disposing factors for viral diseases of the Silkworm, *Bombyx mori* L. under Agroclimatic conditions of Northern Karnataka", (1995), **Indian Journal of Sericulture**, Vol.34, No. 2, 93-99
21. C.J.Savanurmamath, S.Basavarajappa, S.B.Hinchigeri, S.S.Ingalhalli, K.K.Singh and **R.D.Sanakal**, "Relative incidence of the silkworm viral diseases in agro-climatic zones of Northern districts of Karnataka, India" (1994), **Bulletin of Sericulture Research**, Bangladesh, Vol.,5:51-55
22. **R.D.Sanakal**, C.J.Savanurmamath, S.S.Ingalhalli, K.K.Singh and S.B.Hinchigeri, "Effect of flacherie on different economic parameters of the silkworm, *Bombyx mori* L. from Northern Karnataka region" March (1994), **Proceedings of Second National Seminar on Sericulture**, Madras University, Vellore,pp 252-257.
23. K.K.Singh, C.J.Savanurmamath, **R.D.Sanakal** and S.B.Hinchigeri, "Effect of feeding different stages of mulberry leaves on growth and

economic parameters of *Bombyx mori* (L.) during nuclear polyhedrosis". March (1994), **Proceedings of Second National Seminar on Sericulture**, Madras University, Vellore, pp 113-124.

24. C.J.Savanurmatah, S.Basavarajappa, S.S.Ingalhalli, **R.D.Sanakal** and K.KSingh, "A status paper on: The sericultural activities and the incidence of silkworm viral diseases in northern districts of Karnataka", (1993), **Journal of the Karnatak University-Science** Vol., XXXVII, pp. 197-211