

Dr. AMBEDKAR GOVERNMENT ARTS COLLEGE (AUTONOMOUS)
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DEPT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY



Name : **Dr. SAMPATH KUMAR**
Qualification : M.Sc., M.Phil., B.Ed., Ph.D.
Date of Birth : 21.2.1971
Date of Joining in TN.
Collegiate Educational Service : 26-12-2007
Designation : Assistant Professor
Email Address : samgkumar@yahoo.co.in; Mobile: 9940419630
Specialization : Mycorrhizae
Total Teaching Experience : **UG:** 14 years **PG:** 8 years
Total Research Experience : 15 years
Research Field : Mycorrhizae
No. research papers published : National level - 20; International level - 5
Research guide for Ph.D. : PRIST University, Vinayaga Mission University
No. of M.Phil./Ph.D. guided : M.Phil-26; Ph. D- 2 (doing)
No. of Books published : 2
Seminar/Workshops/Symposia
Participated and paper presented : 30
Membership in Professional Bodies: 5 (Association of Microbiologists of India,
Academy of Plant Sciences etc.)
Other Academic Activities : NSS & RRC

Awards/Rewards/Fellowship/
any other Recognition
(CSIR)

: Referee for Indian Journal of Biotechnology -

List of Publication:

LIST OF PUBLICATIONS

1. Seasonal variation of biodiversity of Arbuscular Mycorrhizal fungi in forest ecosystems 2002. *J.Ecobiol.* 13(3):145-148.
2. Studies on the VAM fungi improve growth of some medicinal plants. 2002 *Advan.pl.sci.* 15(2):121-125.
3. Association of VAM fungi with sesame and its influence on growth. 2002. *J.sesame and safflower.* 17.59-61.
4. Effect of AM fungi and rhizobium on growth and nutrition of *Vigna mungo* L. and *Vigna unguiculata*, 2003. *Mycorrhiza News.* 15(1):53-59.
5. Biodiversity of ArbuscularMucorrhizal fungi in agro ecosystem at Thanjavur district of Tamil nadu. 2003. *J.Environ. Biol.* 24(2):1-4.
6. Bioremediation technology to clean up crude oil spill using *Pseudomonas* Sps., 2002 *J.Ecotoxi. Environ. Monit.* 121:163-168.
7. Screening of bacterial flora in otitis media patients. 2003. *Ind.J.Appl.Microbiol.*3(1):5-6.
8. Association of VAM fungi in some spices and condiments 2004. *J.Ecobiol.*13(94):135-140.
9. Studies on the role of microorganisms in post operative wound infections. 2004. *Ind. J.Appl.Microbiol.* 4(1):81-83.
10. Studies of VA-Mycorrhizal fungi associated with some weed plants in sugar mill effluent soils. 2005. *J.Environ.bio.* 26(4):675-680.
11. Antibiogram of vibrio sps isolated from diseased *penaeusmonodon* effluent soils. 2005. *Hamdardmedicus.* 18(3):123-127.
12. Antimicrobial activity of *Carumcopticum* on some pathogens. 2005. *J.PRIST.*(1):69-71.
13. *In vitro* plant regeneration and phytochemical studies in *Phyllanthusamarus* 2005. *Adv.Medi. Plant* 11:177-182.
14. Bioremediation of crude oil spill environmental crisis and security in the new millennium. 2005. *Anmol publications pvt.Ltd.New Delhi.* 197-203.
15. Studies on the role of VA-Mycorrhizal fungi in plant growth. 2006. *Adva.plant.Sci.*(19)1:167-170.

16. Vibrio Species of Pond Reared *Macrobrachium rosenbergii* (de Man) and Testing Pathogenicity of *Vibrio parahaemolyticus*.2006. *Hamdard Medicus*.Vol. XLIX.2:140-144.
17. Detection of *Vibrio* proteins from diseased *Penaeusmonodon* (Fab.) by ELISA and Western blotting.2008.*Proc.Nat.Acad.Sci.India,Sect.B*, Vol.78.133-136.
18. Survey of Symptomatic and Asymptomatic Bacteriuria with Reference to Rural And Urban Population.2011. *Indian Journal of Applied Microbiology*13(1):16-18.
19. Phytochemical Screening of Three Medicinally Important *Ficus* Sp.2012. *International Journal of Pharmaceutical Research and Development(IJPRD)*.Vol. 4(1):44-51.
20. Studies on Antibacterial activity and mycorrhizal effect on *Coleus aromaticus*.2012.*Discovery Biotechnology*. Vol.1.28-32.
21. Effect of Different Extracts of Stem Bark of *Ficusp*.on Multidrug Resistant Pathogenic Bacteria.2012.*International Journal of Pharmaceutical Sciences and Research (IJPSR)*.Vol.3(7):2122-2129.
22. Vesicular arbuscular fungal association with medicinal plants.2013. *Discovery Biotechnology*.Vol.2.19-22.
23. Edible Oyster Mushroom (*Pleurotus* sp.) cultivation in the Classroom by college students. 2013. *Indian Journal of Research*.Vol.3,(4):3-5.