

PANEL OF EXPERTS

PANEL OF EXPERT

Name	:Dr. S. Murugan	No. of Publication	: 88
Designation	: Associate Professor	No. of Publication	: 23
Address	: Karunya Institute of Technology and Sciences	(for last five years)	
		Specialization : Microbiology, Microbial – Biotechnology, Nanobiotechnology	

Email ID : **murugan@karunya.edu**

List of publication for last five years:

1. Blessy Pricilla R, Bhuvanesh N, Immanuel David C, Murugan S, Nandhakumar R. GO/NiO nanocomposite: Chemosensor for L-Leucine and a potential antibacterial agent. Mater Today Proc **2020**.
2. Ramachandran G, Rajivgandhi GN, Murugan S, Alharbi NS, Kadaikunnan S, Khaled JM, et al. Anti-carbapenamase activity of Camellia japonica essential oil against isolated carbapenem resistant klebsiella pneumoniae (MN396685). Saudi J Biol Sci **2020**;27:2269–79.
3. Sindhu S, Murugan S. Challenges and Opportunities in Repurposing of Drugs: Mini Review. Bangladesh J Med Sci **2020**;19:365–71.
4. Lindsey APJ, Murugan S, Renitta RE. Microbial disease management in agriculture: Current status and future prospects. Biocatal Agric Biotechnol **2020**;23:101468.
5. Krishnamoorthy A, Sevanan M, Mani S, Balu M, Balaji S, P R. Chrysin restores MPTP induced neuroinflammation, oxidative stress and neurotrophic factors in an acute Parkinson's disease mouse model. Neurosci Lett **2019**;709:134382.
6. Sugumar M, Sevanan M, Sekar S. Neuroprotective effect of naringenin against MPTP-induced oxidative stress. Int J Neurosci **2019**;129:534–9.
7. Megha PU, Murugan S, Harikumar PS, Muzammil TK. Bacteriophage formulations

for the reduction of multi-drug resistant E.coli in water sources. Saudi Journal of Pathology and Microbiology **2019**.

8. Kumar KN, Devadas SM, Murugan S, Krishnan SG, Thayumanavan T. Production and Characterization of Bacteriocin by Lactic Acid Bacterium- *Pediococcus pentosaceus* NKSM1 Isolated from Fermented ‘Appam’ Batter. J Pure Appl Microbiol **2018**;12:1315–30.
9. Mani, S., Sekar, S., Chidambaram, S.B. and Sevanan, M., **2018**. Naringenin protects against 1-methyl-4-phenylpyridinium-induced neuroinflammation and resulting reactive oxygen species production in SH-SY5Y cell line: An in Vitro model of parkinson's disease. *Pharmacognosy Magazine*, 14(57), p.458.
10. Mani S, Sekar S, Barathidasan R, Manivasagam T, Thenmozhi AJ, Sevanan M, et al. Naringenin Decreases α -Synuclein Expression and Neuroinflammation in MPTP-Induced Parkinson's Disease Model in Mice. *Neurotox Res* **2018**;33:656–70.
11. Murugan, S., **2018**. Investigation of the synergistic antibacterial action of copper nanoparticles on certain antibiotics against human pathogens. *Int. J. Pharm. Pharm. Sci*, 10, pp.83-86.
12. Bhuvanesh N, Velmurugan K, Suresh S, Prakash P, John N, Murugan S, et al. Naphthalene based fluorescent chemosensor for Fe ²⁺ -ion detection in microbes and real water samples. *J Lumin* **2017**;188:217–22.
13. Megha P, Murugan S, Harikumar P. Isolation and Characterization of Lytic Coliphages from Sewage Water. *J Pure Appl Microbiol* **2017**;11:559–65.
14. Umadevi C, Kalaivani P, Puschmann H, Murugan S, Mohan PS, Prabhakaran R. Substitutional impact on biological activity of new water soluble Ni(II) complexes: Preparation, spectral characterization, X-ray crystallography, DNA/protein binding, antibacterial activity and in vitro cytotoxicity. *J Photochem Photobiol B Biol* **2017**;167:45–57.
15. Ameesh, M. and Murugan, S., **2017**. Prevalence and its risk factors of diabetic patients in urban area of Palakkad: an observational study. *Int J Community Med Public Health*, 4, pp.3721-6.
16. Hema JA, Malaka R, Muthukumarasamy NP, Sambandam A, Subramanian S, Sevanan M. Green synthesis of silver nanoparticles using Zea mays and exploration

of its biological applications. IET Nanobiotechnology **2016**;10:288–94.

17. Neetu TP, Murugan S. Genotyping of methicillin resistant staphylococcus aureus from tertiary care hospitals in Coimbatore, South India. J Glob Infect Dis **2016**;8:68.
18. Malaka R, Hema JA, Muthukumarasamy NP, Sambandam A, Subramanian S, Sevanan M. Green Synthesis of Silver Nanoparticles Using Cosmos Sulphureus and Evaluation of Their Antimicrobial and Antioxidant Properties. Nano Biomed Eng **2016**;7.
19. Muthukumarasamy NP, Jackson B, Joseph Raj A, Sevanan M. Production of Extracellular Laccase from Bacillus subtilis MTCC 2414 Using Agroresidues as a Potential Substrate. Biochem Res Int **2015**; 1–9.
20. Narayanan, M.P., Murugan, S., Eva, A.S., Devina, S.U. and Kalidass, S., **2015**. Application of immobilized laccase from Bacillus subtilis MTCC 2414 on decolourization of synthetic dyes. *Res J Microbiol*, 10, pp.421-432.
21. Jesline A, John NP, Narayanan PM, Vani C, Murugan S. Antimicrobial activity of zinc and titanium dioxide nanoparticles against biofilm-producing methicillin-resistant Staphylococcus aureus. Appl Nanosci **2015**;5:157–62.
22. Megha, P.U., Kavya, P., Murugan, S. and Harikumar, P.S., **2015**. Sanitation mapping of groundwater contamination in a rural village of India. *Journal of Environmental Protection*, 6(01), p.34.
23. Megha, P.U., Murugan, S. and Harikumar, P.S., **2015**. Identification of bacterial strains and GIS-based buffer analysis of Canoli Canal, Kozhikode, Kerala, India. *RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES*, 6(1), pp.1475-1483.