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Contact

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Employee Number : BDU1800929
Date of Birth : 12.04.1980
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Academic Qualifications: Msc., Mphil., PhD

Teaching Experience : 14 years

Research Experience : 20 years

Areas of Research : Pharmacology and Toxicology

Research Supervision / Guidance : Ongoing

Program of Study		Completed	Ongoing
Research	Ph.D.	-	
Project	PG	-	--

Fellowships Awarded:

- Indian Council of Medical Research project, (Senior Research Fellow- Ad-hoc project 2005-2008)
- University Research Studentship, awarded by Annamalai University, Annamalai Nagar, India 2006- 2007.

Publications in UGC-Care/Refereed Journals

International		National		Others
Journals	Conferences	Journals	Conferences	Books
59	05			1

Refereed Journal Publications

1. Pari L, **Murugan P**. Protective role of tetrahydrocurcumin against erythromycin estolate induced hepatotoxicity. *Pharmacological Research*. 2004; 49 (5): 481-486.
2. **Murugan P**, Pari L. Effect of tetrahydrocurcumin on erythromycin estolate- induced lipid peroxidation in rats. *Journal of Basic & Clinical Physiology & Pharmacology*. 2005; 16:1-15.
3. Pari L, **Murugan P**. Effect of tetrahydrocurcumin on blood glucose, plasma insulin and hepatic key enzymes in streptozotocin induced diabetic rats. *Journal of Basic & Clinical Physiology & Pharmacology*. 2005; 16: 257-274.
4. **Murugan P**, Pari L. Effect of tetrahydrocurcumin on lipid peroxidation and lipids in streptozotocin - nicotinamide induced diabetic rats. *Basic & Clinical Pharmacology & Toxicology*. 2006; 99:122-127.
5. **Murugan P**, Pari L. Antioxidant effect of tetrahydrocurcumin in streptozotocin - nicotinamide induced diabetic rats. *Life sciences*. 2006; 79: 1720-1728.
6. **Murugan P**, Pari L. Effect of tetrahydrocurcumin on plasma antioxidants in streptozotocin-nicotinamide induced experimental diabetes. *Journal of Basic & Clinical Physiology & Pharmacology*. 2006; 17: 231-244.
7. Pari L, **Murugan P**. Tetrahydrocurcumin: Effect on chloroquine-mediated oxidative damage in rat kidney. *Basic & Clinical Pharmacology & Toxicology*. 2006; 99: 329-334.

8. **Murugan P**, Pari L. Influence of tetrahydrocurcumin on erythrocyte membrane bound enzymes and antioxidant status in experimental type 2 diabetic rats. *Journal of Ethnopharmacology*. 2007; 113: 479–486.
9. **Murugan P**, Pari L. Influence of tetrahydrocurcumin on hepatic and renal functional markers and protein levels in experimental type 2 diabetic rats. *Basic & Clinical Pharmacology & Toxicology*. 2007; 101: 241–245.
10. **Murugan P**, Pari L. Protective role of tetrahydrocurcumin on changes in the fatty acid composition in streptozotocin - nicotinamide induced type 2 diabetic rats. *Journal of Applied Biomedicine*. 2007; 5: 31-38.
11. Pari L, **Murugan P**. Changes in glycoprotein components in streptozotocin - nicotinamide induced type 2 diabetes: Influence of tetrahydrocurcumin from *Curcuma longa*. *Plant Foods for Human Nutrition*. 2007; 62,1: 25-29.
12. Pari L, **Murugan P**. Antihyperlipidaemic effect of curcumin and tetrahydrocurcumin in experimental type 2 diabetic rats. *Renal Failure*. 2007; 29: 881-889.
13. Pari L, **Murugan P**. Tetrahydrocurcumin prevents brain lipid peroxidation in streptozotocin-induced diabetic rats. *Journal of Medicinal Food*. 2007; 10, 2: 323-329.
14. Pari L, **Murugan P**. Influence of tetrahydrocurcumin on tail tendon collagen contents and its properties in rats with streptozotocin - nicotinamide induced type 2 diabetes. *Fundamental & Clinical Pharmacology*. 2007; 21: 665–671.
15. Pari L, **Murugan P**. Influence of *Cassia auriculata* flowers on Insulin Receptors in Streptozotocin Induced Diabetic Rats: Studies on Insulin Binding to Erythrocytes. *African Journal of Biochemistry Research*. 2007; 1, 7: 148-155.
16. **Murugan P**, Pari L, Chippada Appa Rao. Effect of tetrahydrocurcumin on insulin receptors status in type 2 diabetic rats: Studies on insulin binding to erythrocytes. *Journal of Biosciences*. 2008; 33(1): 63-72.
17. **Murugan P**. Taner's *Cassia (Cassia auriculata L)* extract prevents hemoglobin glycation tail tendon collagen properties in experimental diabetic rats. *Journal of cell and tissue research*. 2010; 10, 1: 2109-2114.
18. **Murugan P**. Preventive effects of *Cassia auriculata* on brain lipid peroxidation streptozotocin diabetic rats. *International Journal of Information Research and Review*. 2015; 02, 05: pp.6924-6929.
19. **Murugan P**. A review on some traditional medicinal plants on diabetes. *International Journal of Current Research in Life Sciences*. 2015; 4, 01: 246-249.
20. **Murugan P**. A review on some phytochemicals on diabetes. *International Journal of Current Research in Life Sciences*. 2015; 4, 01: 250-253.

21. **Murugan P.** A review on curcumin compare tetrahydrocurcumin on diabetes. International Journal of Recent Advances in Multidisciplinary Research. 2015; 02, 12: 5753-5753.
22. **Murugan P.** Effect of *Cassia auriculata* l on plasma antioxidants in streptozotocinnicotinamide induced experimental diabetes. International Journal of Information Research and Review. 2015; 02, 05: 6930-6934.
23. **Murugan P.** Effect of *Cassia auriculata* l on erythrocyte membrane bound enzymes and antioxidant status in experimental diabetes. International Journal of Recent Advances in Multidisciplinary Research. 2015; 02, 12: 5760-5764.
24. **Murugan P, Sakthivel V.** Influence of *Cassia auriculata* leaves on plasma antioxidants in streptozotocin- nicotinamide induced experimental diabetes. Journal of Population Therapeutics and Clinical Pharmacology. 2020; 27, 03: 89-97.
25. **Murugan P, Sakthivel V, Jawahar S.** Effect of *Cassia auriculata* flowers, leaves and seeds dose dependent study in streptozotocin - induced diabetic rats. Journal of Population Therapeutics and Clinical Pharmacology. 2020; 27, 4: 74-82.
26. **Murugan P, Jawahar S.** Antioxidant effect of different parts of *Cassia auriculata* in streptozotocin induced diabetic rats. Journal of Population Therapeutics & Clinical Pharmacology. 2020; 27, 04: 55-64.
27. **Murugan P.** A Review of drug-induced liver injury. Adv. Pharmacol. Toxicol. 2021; 22 ,1: 1-9
28. **Murugan P.** A review of type 2 diabetes mellitus. Int. J. Pharmacol. Bio. Sci.2021; 15(2): 25-32.
29. **Murugan P.** Antioxidants effect on herbs. International Journal of Current Research in Life Sciences. 2021; 10, 01: 3399-3402.
30. **Murugan P.** Hepatoprotective effect on medicinal plants. International Journal of Current Research in Life Sciences.2021; 10, 01: 3396-3398.
31. **Murugan P.** Antidiabetic effect on some medicinal plants. International Journal of Current Research in Life Sciences. 2021; 10, 01: 3392-3395.
32. **Murugan P.** Effect of tetrahydrocurcumin analysis of fluorescence of collagen in experimental diabetes. International Journal of Current Research in Life Sciences. 2021; 10, 01.3403-3408.
33. **Murugan P.** Effect of tetrahydrocurcumin in streptozotocin - nicotinamide induced diabetes. Plant Archives.2021; 21, 1: 904-909
34. **Murugan P.** Effect of tetrahydrocurcumin on lipid profiles in streptozotocin–nicotinamide induced type 2 diabetes mellitus. Plant archives. Plant Archives. 2021; 1: 1265-1269.

35. **Murugan P.** A Review of type 2 diabetes mellitus on tetrahydrocurcumin. *Science, Technology and Development.* 2021; 10, 4: 300-311.
36. **Murugan P.** Preventive effects of tetrahydrocurcumin on pancreas lipid peroxidation and antioxidants in rats treated with diabetes. *Journal of Information and Computational Science.* 2021; 11, 6: 801-820.
37. **Murugan P.** A review of tetrahydrocurcumin. *Journal of Information and Computational Science.* 2021; 11, 6: 1548-1741.
38. **Murugan P, Sakthivel V.** Effect of *Cassia auriculata* on lipid profiles in streptozotocin–nicotinamide induced type 2 diabetes mellitus. *Journal of Population Therapeutics and Clinical Pharmacology.* 2021; 28, 01: 73-79.
39. **Murugan P, Sakthivel V.** Effect of pterostilbene compared to tetrahydrocurcumin on erythrocyte membrane bound enzymes and antioxidant status in diabetes. *Journal of Population Therapeutics and Clinical Pharmacology.* 2021; 28, 1: 80-90.
40. **Murugan P, Sakthivel V.** Effect of pterostilbene compared to tetrahydrocurcumin on liver and kidney functional markers and protein levels in experimental diabetes. *Journal of Pharmaceutical Negative Results.* 2021; 12 , 01: 103-109.
41. **Murugan P, Sakthivel V, Jawahar S.** Influence of *Cassia auriculata* on hepatic and renal functional markers and protein levels in experimental type 2 diabetic rats. *Journal of Pharmaceutical Negative Results.* 2022;13, 9: 11222-11227.
42. **Murugan P, Sakthivel V.** Effect of tetrahydrocurcumin compared pterostilbene on plasma antioxidants in streptozotocin- nicotinamide induced experimental diabetes. *Journal of Pharmaceutical Negative Results.* 2022; 13, 09: 11215-11221.
43. **Murugan P.** Antioxidant effect of tetrahydrocurcumin compared pterostilbene in streptozotocin - nicotinamide induced diabetic rats. *Journal of Pharmaceutical Negative Results.* 2022; 13, 04: 2190-2196.
44. **Murugan P.** Effect of *Cassia auriculata* on blood glucose, plasma insulin and hepatic key enzymes in streptozotocin- nicotinamide induced diabetes. *Journal of Pharmaceutical Negative Results.* 2022; 13, 4: 2197-2204.
45. **Murugan P.** Effect *Cassia auriculata* on lipid peroxidation and lipids in streptozotocin - nicotinamide induced diabetic rats. *Journal of Population Therapeutics & Clinical Pharmacology.* 2023; 30, 4: 638-648.
46. **Murugan P.** Modulatory effect of pterostilbene on changes in the fatty acid composition in streptozotocin - nicotinamide induced diabetes. *Journal of Population Therapeutics & Clinical Pharmacology.* 2023; 30, 04: 626-637.

47. **Murugan P.** Effect tetrahydrocurcumin and pterostilbene on lipid peroxidation and lipids in streptozotocin - nicotinamide induced diabetic rats. *Journal of Population Therapeutics & Clinical Pharmacology*.2023; 30, 4: 649-655.
48. **Murugan P.** Effect of *Cassia auriculata* flowers on changes in the fatty acid composition in diabetic rats. *Eurpoan Chemical Bulletin*. 2023; 12,S3: 5281 – 5291.
49. **Murugan P.** Effect of tetrahydrocurcumin and pterostilbene on changes in glycoprotein components in streptozotocin induced diabetes. *Eurpoan Chemical Bulletin*. 2023; 12(10): 2749-2766.
50. **Murugan P.** Antioxidant effect of *Cassia auriculata* in streptozotocin - nicotinamide induced diabetic rats. *Eurpoan Chemical Bulletin*. 2023; 12(10): 7308-7333.
51. **Murugan P.** Effects of *Cassia auriculata* flower buds extract on some blood and tissue parameters in streptozotocin-nicotinamide induced diabetic rats. *Intern. J. Zool. Invest*. 2023; 9(2): 739-747.
52. **Murugan P.** Antihyperglycaemic effect of tetrahydrocurcumin and pterostilbene: effect on key metabolic enzymes of carbohydrate metabolism in streptozotocin induced diabetes. *Journal of Advanced Zoology*.2023; 44: 2271-2279.
53. **Murugan P.** Experimental diabetic animal model: Systematic review. *Romanian Journal of Diabetes, Nutrition and Metabolic Diseases*. 2023; 30, 4: 692-707.
54. **Murugan P.** Modulatory effect of tetrahydrocurcumin compared curcumin in oxidative stress induced lipid peroxidation in type 2 diabetes: Systemic review. *Romanian Journal of Diabetes, Nutrition and Metabolic Diseases*. 2023; 30, 4; pages 675-691.
55. **Murugan P.** Maneemegalai S. Effect of tetrahydrocurcumin compared to curcumin in carbohydrate metabolism and glycoprotein components in type 2 diabetes - Systematic review. *Journal of Advanced Zoology*.2023: 44 S-7:157:167.
56. **Murugan P.** A review on antidiabetic effect of tetrahydrocurcumin in type 2 diabetes. *Journal of Advanced Zoology*. 2023; 44 S-7: 147-156.
57. **Murugan P.** Effect of pterostilbene on the kidney of C57bl/6j mice with high fat-diet induced oxidative stress. *Journal of Chemical Health Risks*. 2023; 13(5), 497-502.
58. **Murugan P.** Effect of pterostilbene compare to tetrahydrocurcumin on insulin receptors status in type 2 diabetic rats: Studies on insulin binding to erythrocytes. *Current Topics in Peptide and Protein Research*.2023:1-7.
59. **Murugan P.** Effects of pterostilbene on brain lipid peroxidation in diabetic rats. *Current Topics in Peptide and Protein Research*.2023:7-14.

h-index	:	16
i10 index	:	16
Total Citations	:	1433

Book Chapter

1. **Murugan P.** A Review on Antidiabetic Effect of Scoparia dulusis. Research Trends in Life Sciences. Volume - 9), 2023.
2. **Murugan P.** Antidiabetic effect of pterostilbene: Systemic review. Current Research in Biology. Volume – 6, 2023.
3. **Murugan P.** Effect of pterostilbene compared tetrahydrocurcumin in antioxidant in type 2 diabetes: Systemic review. Current Research in Life Sciences. Volume – 6, 2023.
4. **Murugan P.** Antidiabetic Effect of Cassia auriculata: Systemic Review. Advanced Review and Research in Pharmaceutical Science (Volume - 6), 2023.
5. **Murugan P.** The molecular mechanism tetrahydrocurcumin as an antihyperlipidemic agent. Advanced Concepts in Medicine and Medical Research. (Volume 9), 2023.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

1.	No. of Papers Presented in Seminars and Conferences	05
2.	No. of Papers Published (Journals & Conference Proceedings)	05

Events Participated

Conferences / Seminars / Workshops : 25

Administrative Experience:

College/University/Institution:

1. Worked as Principal i/c of Bharathidasan University Model College, Vedharanyam. (27.07.2012 to 08.09.2014).
2. Worked as Principal i/c of Bharathidasan University Model College, Vedharanyam (21.08.2018 to to19.11.2022).
3. Worked as Chief invigilator to conduct combined civil service exam IV at GASC, Vedharnyam for TNPSC 24-07-2022.

4. Served as a Senate member of the Bharathidasan University, Trichy - 620024. (27.07.2012 to 08.09.2014) to (21.08.2018 to to19.11.2022).
5. Worked as Chief Superintendent to conduct UG and PG university examinations at (erstwhile Bharathidasan University Model College), Vedharanyam – 614810. (27.07.2012 to 08.09.2014).
6. Worked as Chief Superintendent to conduct UG and PG university examinations at (erstwhile Bharathidasan University Model College), Vedharanyam – 614810. (21.08.2018 to to19.11.2022)

Co-curricular activities:

1. H.O. D, Department of Biochemistry (29.06.2009 to26.07.2012), Bharathidasan University College , Perambalur.
2. H.O. D, Department of Biochemistry (08.09.2014 to 20.08.2018), Bharathidasan University College , Perambalur.
3. NSS Programme officer (01.08.2015-31.07.2018). Bharathidasan University College , Perambalur.

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 10