

## **Publications: Dr.C.Adithan**

### **A. JOURNAL**

1. Chief Editor (1992-2000), Indian Journal of Pharmacology: I have edited and published 44 issues of the journal for 9 years. During this period, the journal had its own website (the first Indian medical journal to go online) and all the issues of the journal published in the last 30 years were made available free in its website.
2. Editor – Pharmacology (2012 – 2014), Indian Journal of Physiology and Pharmacology

### **B. BOOKS**

1. Thulasimany M and Adithan C. Pharmacology (Language: Tamil), Published by Tamil University, Thanjavur, Tamilnadu, 1985. – Received the best medical book award from Govt. of Tamil nadu. (1002 pages)
2. Adithan C. Status Report on Pharmacological Research in India, 1994-1998. Indian National Science Academy, New Delhi, 2000 (166 pages)
3. Adithan C. Manual on basic techniques in molecular biology and bioinformatics in pharmacogenomics. Department of Pharmacology, JIPMER, 2008 (169 pages)
4. Adithan C. Bulletin of JIPMER Scientific Society 2007, JIPMER Scientific Society, Pondicherry (105 pages)

### **C. CHAPTERS IN BOOKS:**

1. Adithan C, Reddy S. Funding opportunities in biomedical sciences and preparing a successful grant application. In Biomedical research: A compendium from concept to publication. Editors Jagadeesh G, Gupta, YK, Murthy S, Prakash, A, USA, Wolters Kluwer Health | Adis, 2009.
2. Girish C, S.C.Pradhan, Adithan C. Herbogenomics : A new discipline of herbal drug therapy. In Recent Advances in Herbal Drug Research and Therapy. Editors Arunabha Ray, Kavita Gulati, New Delhi, IK International, 2009
3. Padmaja N and Adithan C. Pharmacogenomics. In API Text book of Medicine, Editor Shah SN, Mumbai, The Association Physicians of India, 2008, 1537-1538
4. Ravindrakumar M and Adithan C. Pharmacogenomics in the Indian population. In Pharmacogenomics in admixed populations. Editor Kurtz GS, Texas, USA, Landes Bioscience, 2007, 120 – 132

5. Jayanthi M, Adithan C. Pharmacotherapy of patients in respiratory intensive care unit. Editor Arora VK, New Delhi, Jaypee Brothers, 2006, 367 – 385
6. Adithan C “Medical Research in India” In “India Health – a Reference Document” Published by Rashtra Deepika Ltd., Kottayam, Kerala, 2002, page 213-217
7. Adithan C and A.K.Das. Basics of research methodology. In Postgraduate training in Medicine – Key Issues. Editor: Rita Sood. New Delhi, Association of Physicians of India. 2002, 112-119
8. Manual for Training of Interns on Concept of Essential Drugs and Rationalised Drug Use. Published by Indian Pharmacological Society (Pondicherry branch), Pondicherry, 1988.

**D. ELECTRONIC PUBLICATION:** First in India to establish (1999) and moderate an e-group in Pharmacology. Name of the e-group: INDPHARM, Present membership: 2450 members. (<http://groups.yahoo.com/indpharm>)

#### **E. ORIGINAL RESEARCH PAPERS**

1. Charan A, Shewade DG, Rajkumar RP, Chandrasekaran A. Relation between serum prolactin levels and antipsychotic response to risperidone in patients with schizophrenia. *Psychiatry Res.* 2016 Jun 30;240:209-13
2. Jose M, Mathaiyan J, Kattimani S, Adithan S, Chandrasekaran A. Role of CYP2C19 gene polymorphism in acute alcohol withdrawal treatment with loading dose of diazepam in a South Indian population. *Eur J Clin Pharmacol.* 2016 Jul;72(7):807-12
3. Palaniappan M, Selvarajan S, George M, Subramaniyan G, Dkhar SA, Pillai AA, Jayaraman B, Chandrasekaran A. Pattern of Adverse Drug Reactions Reported with Cardiovascular Drugs in a Tertiary Care Teaching Hospital. *J Clin Diagn Res.* 2015 Nov;9(11):FC01-4.
4. Francis J, Dubashi B, Sundaram R, Pradhan SC, Chandrasekaran A. A study to explore the correlation of ABCB1, ABCG2, OCT1 genetic polymorphisms and trough level concentration with imatinib mesylate-induced thrombocytopenia in chronic myeloid leukemia patients. *Cancer Chemother Pharmacol.* 2015 Dec;76(6):1185-9.
5. Francis J, Dubashi B, Sundaram R, Pradhan SC, Chandrasekaran A. Influence of Sokal, Hasford, EUTOS scores and pharmacogenetic factors on the complete cytogenetic response at 1 year in chronic myeloid leukemia patients treated with imatinib. *Med Oncol.* 2015 Aug;32(8):213

6. Pal GK, Chandrasekaran A, Pal P, Nivedita N, Indumathy J, Sirisha A. Prehypertension status, cardiometabolic risks, and decreased baroreflex sensitivity are linked to sympathovagal imbalance in salt-preferring individuals. *Clin Exp Hypertens*. 2015 Dec;37(8):609-15
7. Adithan C, Sandhiya S. Drug induced diseases (DID): Need for more awareness & research.(Commentary) *Indian J Med Res*. 2015 Jul;142(1):7-10. doi: 10.4103/0971-5916.162086. PubMed PMID: 26261161.
8. Francis J, Palaniappan M, Dubashi B, Pradhan SC, Chandrasekaran A. Adverse drug reactions of imatinib in patients with chronic myeloid leukemia: A single-center surveillance study. *J Pharmacol Pharmacother*. 2015 Jan-Mar;6(1):30-3. doi: 10.4103/0976-500X.149141. Erratum in: *J Pharmacol Pharmacother*. 2015 Apr-Jun;6(2):122. PubMed PMID: 25709349; PubMed Central PMCID: PMC4319245.
9. Sandhiya S, Dkhar SA, Pillai AA, George M, Jayaraman B, Chandrasekaran A. Comparison of ranolazine and trimetazidine on glycemic status in diabetic patients with coronary artery disease - a randomized controlled trial. *J Clin Diagn Res*. 2015 Jan;9(1):OC01-5. doi: 10.7860/JCDR/2015/10594.5448. Epub 2015 Jan 1. PubMed PMID: 25738014; PubMed Central PMCID: PMC4347105.
10. Francis J, Dubashi B, Sundaram R, Pradhan SC, Chandrasekaran A. Influence of Sokal, Hasford, EUTOS scores and pharmacogenetic factors on the complete cytogenetic response at 1 year in chronic myeloid leukemia patients treated with imatinib. *Med Oncol*. 2015 Aug;32(8):665. doi: 10.1007/s12032-015-0665-0. Epub 2015 Jul 5. PubMed PMID: 26143137.
11. Umamaheswaran G, Kadambari D, Kumar AS, Revathy M, Anjana R, Adithan C, Dkhar SA. Polymorphic genetic variations of cytochrome P450 19A1 and T-cell leukemia 1A genes in the Tamil population. *Environ Toxicol Pharmacol*. 2015 Jan;39(1):102-13. doi: 10.1016/j.etap.2014.10.022. Epub 2014 Nov 1. PubMed PMID: 25481307.
12. Arun Kumar AS, Kumar SS, Umamaheswaran G, Kesavan R, Balachandar J, Adithan C. Association of CYP2C8, CYP2C9 and CYP2J2 gene polymorphisms with myocardial infarction in South Indian population. *Pharmacol Rep*. 2015 Feb;67(1):97-101. doi: 10.1016/j.pharep.2014.08.010. Epub 2014 Sep 11. PubMed PMID: 25560582.
13. Krishna Kumar D, Shewade DG, Lorient MA, Beaune P, Sai Chandran BV, Balachander J, Adithan C. An acenocoumarol dosing algorithm exploiting clinical and genetic factors in South Indian (Dravidian) population. *Eur J Clin Pharmacol*. 2015 Feb;71(2):173-81. doi: 10.1007/s00228-014-1791-x. Epub 2014 Dec 19. PubMed PMID: 25519826.
14. Pal GK, Chandrasekaran A, Pal P, Nivedita N, Indumathy J, Sirisha A. Prehypertension status, cardiometabolic risks, and decreased baroreflex sensitivity are linked to sympathovagal imbalance in salt-preferring individuals. *Clin Exp Hypertens*. 2015 Jun 26:1-7. [Epub ahead of print] PubMed PMID: 26114356

15. Krishna Kumar D, Shewade DG, Lorient MA, Beaune P, Balachander J, Sai Chandran BV, Adithan C. Effect of CYP2C9, VKORC1, CYP4F2 and GGCX genetic variants on warfarin maintenance dose and explicating a new pharmacogenetic algorithm in South Indian population. *Eur J Clin Pharmacol*. 2014 Jan;70(1):47-56. doi: 10.1007/s00228-013-1581-x. Epub 2013 Sep 10. PubMed PMID: 24019055.
16. Palaniappan M, Selvarajan S, Srinivasamurthy S, Chandrasekaran A. Oyster shell calcium induced parotid swelling. *J Pharmacol Pharmacother*. 2014 Oct;5(4):256-7. doi: 10.4103/0976-500X.142446. PubMed PMID: 25422569; PubMed Central PMCID:PMC4231558.
17. Vilvanathan S, Gurusamy U, Mukta V, Das AK, Chandrasekaran A. Allele and genotype frequency of a genetic variant in ataxia telangiectasia mutated gene affecting glycemic response to metformin in South Indian population. *Indian J Endocrinol Metab*. 2014 Nov;18(6):850-4. doi: 10.4103/2230-8210.119944. PubMed PMID: 25364682; PubMed Central PMCID: PMC4192993.
18. Palaniappan M, Srinivasamurthy S, Dubashi B, Chandrasekaran A. Anticancer drug induced palmar plantar erythrodysesthesia. *J Clin Diagn Res*. 2014 Oct;8(10):HC01-3. doi: 10.7860/JCDR/2014/9133.4975. Epub 2014 Oct 20. PubMed PMID: 25478366; PubMed Central PMCID: PMC4253184.
19. Umamaheswaran G, Praveen RG, Damodaran SE, Das AK, Adithan C. Influence of SLC22A1 rs622342 genetic polymorphism on metformin response in South Indian type 2 diabetes mellitus patients. *Clin Exp Med*. 2014 Dec 10. [Epub ahead of print] PubMed PMID: 25492374.
20. Pal GK, Adithan C, Dutta TK, Pal P, Nanda N, Lalitha V, Syamsunder AN. Association of hypertension status and cardiovascular risks with sympathovagal imbalance in first degree relatives of type 2 diabetics. *J Diabetes Investig*. 2014 Jul;5(4):449-55. doi: 10.1111/jdi.12166. Epub 2013 Dec 1. PubMed PMID: 25411606; PubMed Central PMCID: PMC4210069.
21. Priyadharsini R, Shewade DG, Subraja K, Ravindra BK, Umamaheswaran G, Dkhar SA, Sathesh S, Sridhar MG, Narayan SK, Adithan C. Single nucleotide polymorphism of CYP3A5\*3 contributes to clopidogrel resistance in coronary artery disease patients among Tamilian population. *Mol Biol Rep*. 2014 Nov;41(11):7265-71. doi: 10.1007/s11033-014-3613-8. Epub 2014 Aug 12. PubMed PMID: 25112801.
22. Umamaheswaran G, Dkhar SA, Kumar AS, Srinivasa RK, Kadambari D, Adithan C. Genotype, allele and haplotype frequencies of four TCL1A gene polymorphisms associated with musculoskeletal toxicity in the South Indian descent. *Bioimpacts*. 2014;4(2):95-100

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24. Umamaheswaran G, Kumar DK, Adithan C. Distribution of genetic polymorphisms of genes encoding drug metabolizing enzymes & drug transporters - a review with Indian perspective. *Indian J Med Res.* 2014 Jan;139(1):27-65.
25. Narayan SK, Verman A, Kattimani S, Ananthanarayanan PH, Adithan C. Plasma homocysteine levels in depression and schizophrenia in South Indian Tamilian population. *Indian J Psychiatry.* 2014 Jan;56(1):46-53.
26. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Durgadevi T, Lalitha V, Syamsunder AN, Dutta TK. Effects of gender on sympathovagal imbalance, prehypertension status, and cardiovascular risks in first-degree relatives of type 2 diabetics. *Am J Hypertens.* 2014 Mar;27(3):317-24.
27. Krishna Kumar D, Shewade DG, Lorient MA, Beaune P, Balachander J, Sai Chandran BV, Adithan C. Effect of CYP2C9, VKORC1, CYP4F2 and GGX genetic variants on warfarin maintenance dose and explicating a new pharmacogenetic algorithm in South Indian population. *Eur J Clin Pharmacol.* 2014 Jan;70(1):47-56.
28. George M, Selvarajan S, S SK, Dkhar SA, Chandrasekaran A. Globalization of clinical trials - where are we heading? *Curr Clin Pharmacol.* 2013 May;8(2):115-23. PubMed PMID: 22963351.
29. Mathaiyan J, Chandrasekaran A, Davis S. Ethics of genomic research. *Perspect Clin Res.* 2013 Jan;4(1):100-4. doi: 10.4103/2229-3485.106405. PubMed PMID: 23533991; PubMed Central PMCID: PMC3601693.
30. Kumar SS, Kumar AS, Padmapriya R, Chandrasekaran A. Effect of eNOS polymorphisms on salbutamol evoked endothelium dependent vasodilation in South Indian healthy subjects. *Indian J Pharmacol.* 2013 Jan-Feb;45(1):9-12. doi: 10.4103/0253-7613.106427. PubMed PMID: 23543259; PubMed Central PMCID: PMC3608305.
31. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Durgadevi T, Lalitha V, Syamsunder AN, Dutta TK. Sympathovagal imbalance contributes to prehypertension status and cardiovascular risks attributed by insulin resistance, inflammation, dyslipidemia and oxidative stress in first degree relatives of type 2 diabetics. *PLoS One.* 2013 Nov 12;8(11):e78072. doi: 10.1371/journal.pone.0078072. eCollection 2013. PubMed PMID: 24265679; PubMed Central PMCID: PMC3827034.

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33. Vishnukumar S, Umamaheswaran G, Anichavezhi D, Indumathy S, Adithan C, Srinivasan K, Kadambari D. P-glycoprotein expression as a predictor of response to neoadjuvant chemotherapy in breast cancer. *Indian J Cancer.* 2013 Jul-Sep;50(3):195-9. doi: 10.4103/0019-509X.118726. PubMed PMID: 24061458.
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37. Umamaheswaran G, Dkhar SA, Kalaivani S, Anjana R, Revathy M, Jaharamma M, Shree KM, Kadambari D, Adithan C. Haplotype structures and functional polymorphic variants of the drug target enzyme aromatase (CYP19A1) in South Indian population. *Med Oncol.* 2013;30(3):665. doi: 10.1007/s12032-013-0665-x. Epub 2013 Jul 28. PubMed PMID: 23893151.
38. George M, Selvarajan S, S SK, Dkhar SA, Chandrasekaran A. Globalization of clinical trials - where are we heading? *Curr Clin Pharmacol.* 2013 May;8(2):115-23.
39. Kumar DK, Shewade DG, Surendiran A, Adithan C. Genetic variation and haplotype structure of the gene Vitamin K epoxide reductase complex, subunit 1 in the Tamilian population. *J Pharmacol Pharmacother.* 2013 Jan;4(1):53-8.
40. Pal GK, Adithan C, Dutta TK, Pal P, Nanda N, Syamsundara Kiran AN, Lalitha V, Amudharaj D. Preference for salt contributes to sympathovagal imbalance in the genesis of prehypertension. *Eur J Clin Nutr.* 2013 Jun;67(6):586-91.

41. Krishna Kumar D, Madhan S, Balachander J, Sai Chandran BV, Thamijarassy B, Adithan C. Effect of CYP2C9 and VKORC1 genetic polymorphisms on mean daily maintenance dose of acenocoumarol in South Indian patients. *Thromb Res.* 2013 Apr;131(4):363-7.
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53. Anichavezhi D, Chakradhara Rao US, Shewade DG, Krishnamoorthy R, Adithan C. Distribution of CYP2C19\*17 allele and genotypes in an Indian population. *J Clin Pharm Ther.* 2012 Jun;37(3):313-8.
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55. Krishnakumar D, Gurusamy U, Dhandapani K, Surendiran A, Baghel R, Kukreti R, Gangadhar R, Prayaga U, Manjunath S, Adithan C. Genetic polymorphisms of drug-metabolizing phase I enzymes CYP2E1, CYP2A6 and CYP3A5 in South Indian population. *Fundam Clin Pharmacol.* 2012 Apr;26(2):295-306.
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