

Dr. RAMAKRISHNAN. V

Associate Professor in Genetics
Faculty of Allied Health Sciences (FAHS)
Chettinad Academy of Research & Education (CARE)
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QUALIFICATIONS:

Ph.D.: 2009, University of Madras, Chennai, Tamil Nadu, India.
M. Phil.: 2001, University of Madras, Chennai, Tamil Nadu, India.

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RESEARCH INTERESTS:

Molecular Cytogenetics; Cancer genetics, Molecular genetics of metabolic disorders, Genotoxicity and Clinical genetics

POST-DOC / WORK EXPERIENCE:

2008 - Present: Asst. Professor in Genetics, Faculty of Allied Health Sciences, Chettinad Academy of Research & Education, Kelambakkam, Chennai 603 103, India.

RESEARCH GUIDANCE:

Degree	Awarded	Ongoing
Ph. D.	-	01
M. Sc.	03	-

SUMMARY OF RESEARCH:

No. of Publications	Citations	h-index	i-10 index
28	103	7	5

PATENTS:

- **1 going to be filed** [Methods and testing the use of *ESR1* gene polymorphisms in Infertility]

GenBank SUBMISSIONS:

- Total no of partial sequences submitted = 39
- Total no of complete sequences submitted = 02

PUBLICATIONS:

1. **V. Ramakrishnan**, RS. Akram Husain, Sheik S.S.J. Ahmed. *PSEN1* gene polymorphisms in Caucasian Alzheimer's disease: A meta-analysis. *Clin Chim Acta*, 2017; 473, 65–70 [Imp. Fac.2.8].
2. Sheik S.S.J. Ahmed, RS. Akram Husain, Suresh Kumar, **V. Ramakrishnan**. Association between *NOS1* Gene Polymorphisms and Schizophrenia in Asian and Caucasian Populations: A Meta-Analysis, *NeuroMolecular Medicine*, 2017; 1-10 [Imp. Fac.3.2].
3. **V. Ramakrishnan**, RS. Akram Husain, Shiek SSJ Ahmed. Genetic predisposition of *IL-10* promoter polymorphisms with risk of multiple sclerosis: A meta-analysis. *Journal of Neuroimmunology*, 2017; 306, 11-8 [Imp. Fac.2.5].

4. **V. Ramakrishnan**, RS. Akram Husain, S. Gowtham Kumar. An overview of rare genetic disorders and recent diagnostic approaches. *Saudi J Health Sci*, 2016; 5(3): 105 – 117.
5. **V. Ramakrishnan**, T. Alu Alphonsa, RS. Akram Husain, Shiek SSJ Ahmed, K. Subramaniyan, Suresh Kumar. Association of *rs1801582* and *rs1801334* *PARK2* Polymorphisms with risk of Parkinson's disease: A case-control study in South India and Meta-Analysis. *Meta Gene*, 2016; 10: 32–38.
6. **V. Ramakrishnan**. MECP2 Mutations Associated with Rett Syndrome - Molecular Approaches. *J Neonatal Biol*, 2016, 5:4.
7. Shiek S.S.J. Ahmed, RS. Akram Husain, Suresh Kumar, **V. Ramakrishnan**. Association between *MDR1* gene polymorphisms and Parkinson's disease in Asian and Caucasian populations: a meta-analysis. *Journal of the Neurological Sciences*, 2016; 368: 255–262. [Impact Factor: 2.3]
8. **V. Ramakrishnan** and RS. Akram Husain. Juvenile Batten Disease – Past and Present Diagnosis. *J. Neonatal Biology* 2016, 5:3, DOI:10.4172/2167-0897.100e117.
9. **V. Ramakrishnan** and RS. Akram Husain. Diabetic Neuropathy – Future Genetic Prospects. *DOIJ*, 2016; 1 (2): 112-115.
10. RS. Akram Husain, **V. Ramakrishnan**. Global variation of Human Papilloma Virus genotypes and selected genes involved in cervical malignancies. *Ann. of Global Health*, 2015; 81 (5): 675 – 683 (Impact factor: 1.83).
11. S. Jayakumar, K. Gokuladhas, B. Rajan, MGJ. Divya, R. Elamaran , R. Shenbhagaraman, **V. Ramakrishnan**, T. Premkumar, M. Gopi Krishnan, T. Devaki 2014. Carvacrol modulates instability of xenobiotic metabolizing enzymes and downregulates the expressions of PCNA, MMP-2, and MMP-9 during diethylnitrosamine-induced hepatocarcinogenesis in rats. *Mol. and Cell Biochem.* 395 (1-2): 65-76 (Impact factor: 2.3).
12. **V. Ramakrishnan**, S. Gowtham Kumar, P. Radha. 2014. Klinefelter syndrome and its association with male infertility. *Asn Pac J. of Rep.* 3(1): 77-79.
13. D. Ramesh Raja, N. Sasikala, **V. Ramakrishnan**. 2013. Sperm DNA integrity before and after cryopreservation. *Intl J of Med and App Science.* 2 (4): 200- 213.
14. Shiek S. S. J. Ahmed and **V. Ramakrishnan**. 2012. Systems Biological Approach of Molecular Descriptors Connectivity: Optimal Descriptors for Oral Bioavailability Prediction, *PLoS ONE*. 7: e40654, 1-10. (Impact Factor: 3.2).
15. **V. Ramakrishnan**. 2011. Genetic aspects of congenital heart disease in Down syndrome. *Int J of Cur Res.* 3(6): 165-170.
16. **V. Ramakrishnan**. 2011. Increased frequency of micronuclei and sister chromatid exchange in cement factory workers. *As J of Sci and Tech.* 4: 32 - 38.
17. **V. Ramakrishnan**, S. Gowtham kumar, N. Madhusudhanan. 2011. Genetic basis of coronary artery disease and its risk factors. *J.of Pharm Res.* 4 (12):4504-4506.
18. N. Madhusudhanan, S. Gowtham Kumar, **V. Ramakrishnan**, G. Thiyagarajan, B. Lakshmi, Swati, MP. Balasubramanian. 2011. In vitro cytotoxic activity of berberine on human lung carcinoma cell line A549, *J. of Pharm Res.* 4(12):4504 - 4506.
19. S. Gowtham kumar, **V. Ramakrishnan**, N. Madhusudhanan, MP. Balasubramanian. 2011. Antioxidant activity of Allyl isothiocyanate [AITC] against N-nitrosodiethylamine induced experimental liver carcinogenesis. *J. of Pharm Res.* 4(10): 3690-3694.

20. N. Madhusudhanan, T. Lakshmi, S. Gowtham Kumar, V. **Ramakrishnan**, Venu Gopala Rao Konda, Anitha Roy and R.V Geetha. 2011. Invitro Antioxidant And Free Radical Scavenging Activity of Aqueous And Ethanolic Flower Extract Of Nymphaea Alba. *Int. J. Drug Dev. & Res.* 3(3): 252-258.
21. V. **Ramakrishnan**, S. Gowtham Kumar, G. Thiyagarajan N. Madhusudhanan, S. Vincent. 2011. The use of cytokinesis-block micronucleus (CBMN) assay to identify DNA damage in patients with coronary artery disease. *Int J Med Res.* 1(2): 111-117.
22. V. **Ramakrishnan**, G. Thiyagarajan, S. Pulavendran, S. Gowtham Kumar, N. Madhusudhanan, S. Vincent. 2010. Study of Serum Metals and Antioxidant Enzymes in Patients with Coronary Artery Disease. *Int J of Genetic Eng and Biotech.* 1(3):205 - 216.
23. V. **Ramakrishnan**, S. Gowtham Kumar, N. Madhusudhanan, G. Thiyagarajan, S.Govindaraju. 2011. Effect of 2-Deoxy- D- Glucose and Cyclophosphamide mediated modification of induced genetic damage in albino Mice. *Int J of Bio and Pharm Res.* 2(1):11 - 18.
24. V. **Ramakrishnan**, S. Gowtham kumar, S. Govindaraju. 2011. Cytogenetic analysis of micronuclei, sister chromatid exchange and chromosomal aberrations in pan masala chewers. *Int J of Pharm and Biosciences.* 2(3): 01 - 13.
25. S. Gowtham Kumar, V. **Ramakrishnan**, N. Madhusudhanan, G. Thiyagarajan, K. Langeswaran, M.P. Balasubramanian. 2011. p53 and caspase 3 gene expression potential of allyl isothiocyanate evaluated on human hepatoma cell line (hepg2). *Int J of Bio and Pharm Res.* 2(1): 19-26.
26. S. Gowtham kumar, G. Thiyagarajan, V. **Ramakrishnan**, N. Madhusudhanan, C. Anbuselvam. 2010. Therapeutic efficacy of allyl isothiocyanate evaluated on nitrosodiethylamine/ phenobarbitol induced hepatocarcinogenesis in wistar rats. *J. Adv. Lab. Res. Biol.* 1(1):6-12.
27. Jaya Sudha, V. **Ramakrishnan**, N. Madhusudhanan , Asit Baran Mandal and Thiyagarajan Gurunathan 2010. Studies on industrially significant haloalkaline protease from Bacillus sp. JSJT isolated from decaying skin of tannery, *J. Adv. Lab. Res. Biol.* 1(1):61-68.
28. D. Elavarasi, V. **Ramakrishnan**, T. Subramoniam, A. Ramesh, K. M. Cherian, C. Emmanuel. 2002. Genotoxicity Study in Lymphocytes of Workers in Wooden Furniture Industry. *Current Science.* 82(7):869- 873. (Impact Factor: 0.8).

BOOKS PUBLISHED:

- V. **Ramakrishnan** and Shiek SSJ. Ahmed "Genetic Associations with Coronary Artery Disease" Lambert Academic Publishing GmbH & Co. KG, Germany. 2013 (ISBN - 978-3-659-34060-4).
- V. **Ramakrishnan** and S Vincent "Study of serum metals and DNA damage in patients with coronary artery disease (CAD). Lambert Academic Publishing GmbH & Co. KG, Germany. 2011. (ISBN - 978-3-8465-0392-8).
- V. **Ramakrishnan**. Study of the genotoxic effect of drugs induced genetic damage in mice. Lambert Academic Publishing GmbH & Co. KG, Germany. 2011 (ISBN -978-3-8473-1451-6).
- V. **Ramakrishnan**. "Age and growth study in the marine fish of Nemipterus japonicas" Lambert Academic Publishing GmbH & Co. KG, Germany, 2011 (ISBN - 978-3-8465-9484-1).

Chaired Scientific Session:

- Chaired Scientific Session at National conference on "Nanotechnology in Medicine" sponsored by Science and Engineering Research Board (SERB) Department of Science and Technology-(DST), Government of India and organized by Faculty of Allied Health Sciences at Chettinad Hospital and Research Institute on 8th -9th September 2017, Tamil nadu, India.

WORKSHOP/TRAINING ATTENDED:

- Participated in one day Workshop on “IPR & PATENT FILING” organized by Internal Quality Assurance & Intellectual property Rights Cell, Chettinad Academy of Research and Education, Chennai, India, 8th June, 2017.
- Organized two days National Workshop on Cellular & Molecular Diagnostics on 10th and 11th February, 2017 at Faculty of Allied Health Sciences, Chettinad University, Chennai, India.
- Participated in “Workshop on AJAX Enabled Web Applications” Department of Bioinformatics, Bharath University, Chennai, India, on 6th February 2012.
- Participated in “Workshop on Applications of Metal Nanoparticles” Department of Chemical Engineering, SSN College of Engineering, Chennai, India, on 11th March 2011.
- Attended “One Day Workshop on Nanotechnology” Department of Chemical Engineering, SSN College of Engineering, Chennai, India, on 20th March 2009.
- Participated in “DRDO Sponsored Workshop on Nanotechnology” Department of Chemical Engineering, SSN College of Engineering, Chennai, India, on 20 – 21, August 2009.
- Attended One Day Workshop on “Recent advancements in pollution control” Department of Chemical Engineering, SSN College of Engineering, Chennai, India, on 27th January 2010.

CONFERENCE PAPERS:

- 16 International and 14 National

AWARDS AND RECOGNITION:

- Editorial board member for CIBTech Journal of Biotechnology (CJB) an International Peer Reviewed Open Access journals.
- Editorial board member for SM Journal of Reproductive Health & Infertility (SMJRHI) is an International Peer Reviewed Open Access journal, SM Online Scientific Resources.
- Associate Editor for Diabetes & Obesity International Journal (DOIJ) is an internationally peer-reviewed, Open Access journal, MedWin Publishers.
- Editorial board member for Journal of Neonatal Biology is an International Peer Reviewed Open Access journal, OMICS groups.
- Editorial board member for Neurological Disorders and Stroke Therapy is an International Peer Reviewed Open Access journal, SOAJ.
- Editorial board member for Current Neurobiology is an International Peer Reviewed Open Access journal, published by the Scientific Publishers of India.
- Editorial board member for Journal of Genetics and Genomes is an International Peer Reviewed Open Access journal, OMICS groups.