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Assistant 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.

RESEARCH INTERESTS

Molecular Cytogenetics; Cancer genetics, Molecular genetics of metabolic disorders, Population genetics, 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

Ph.D.: 01 [Ongoing]
M.Sc.: 03 [Completed]

SUMMARY OF RESEARCH

No. of Publications	Citations	h-index	i-10 index
26	77	7	3

PUBLICATIONS

1. 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].
2. Ramakrishnan .V, Akram Husain RS and S Gowtham Kumar. An overview of rare genetic disorders and recent diagnostic approaches. *Saudi J Health Sci*, 2016; 5(3): 105 – 117.
3. 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.
4. Ramakrishnan .V. MECP2 Mutations Associated with Rett Syndrome - Molecular Approaches. *J Neonatal Biol*, 2016, 5:4.
5. Shiek S.S.J. Ahmed, Akram Husain .RS, Suresh Kumar, Ramakrishnan .V. 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]

6. Ramakrishnan V and Akram Husain RS. Juvenile Batten Disease – Past and Present Diagnosis. *J. Neonatal Biology* 2016, 5:3, DOI:10.4172/2167-0897.100e117.
7. Ramakrishnan V and Akram Husain RS. Diabetic Neuropathy – Future Genetic Prospects. *DOIJ*, 2016; 1 (2): 112-115.
8. Akram Husain .RS, Ramakrishnan V. 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).
9. Jayakumar Subramaniyan, Gokuladhas Krishnan, Rajan Balan, Divya MGJ, Elamaran Ramasamy, Shenbhagaraman Ramalingam, Ramakrishnan V, Premkumar Thandavamoorthy, Gopi Krishnan Mani and Devaki Thiruvengadam. 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).
10. Ramakrishnan V, Gowtham Kumar S and Radha P. 2014. Klinefelter syndrome and its association with male infertility. *Asn Pac J. of Rep.* 3(1): 77-79.
11. Ramesh Raja D, Sasikala N and Ramakrishnan V. 2013. Sperm DNA integrity before and after cryopreservation. *Intl J of Med and App Science.* 2 (4): 200- 213.
12. Shiek S. S. J. Ahmed and Ramakrishnan V. 2012. Systems Biological Approach of Molecular Descriptors Connectivity: Optimal Descriptors for Oral Bioavailability Prediction, *PLoS ONE.* 7: e40654, 1-10. (Impact Factor: 3.2).
13. Ramakrishnan V. 2011. Genetic aspects of congenital heart disease in Down syndrome. *Int J of Cur Res.* 3(6): 165-170.
14. Ramakrishnan. V. 2011. Increased frequency of micronuclei and sister chromatid exchange in cement factory workers. *As J of Sci and Tech.* 4: 32 - 38.
15. Ramakrishnan V , Gowtham kumar .S and N.Madhusudhanan. 2011. Genetic basis of coronary artery disease and its risk factors. *J.of Pharm Res.* 4 (12):4504-4506.
16. Madhusudhanan .N, Gowtham Kumar .S , Ramakrishnan .V, G.Thiyagarajan, Lakshmi, Swati.B and Balasubramanian MP. 2011. T “Invitro cytotoxic activity of berberine on human lung carcinoma cell line A549, *J. of Pharm Res.* 4(12):4504 - 4506.
17. Gowtham kumar .S, Ramakrishnan .V , Madhusudhanan .N and MP.Balasubramanian. 2011. Antioxidant activity of Allyl isothiocyanate [AITC] against N-nitrosodiethylamine induced experimental liver carcinogenesis. *J. of Pharm Res.* 4(10): 3690-3694.
18. Madhusudhanan .N, Lakshmi .T, Gowtham Kumar .S , Ramakrishnan .V , 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.
19. Ramakrisnan .V , Gowtham Kumar .S, G.Thiyagarajan N.Madhusudhanan and 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.
20. Ramakrishnan .V, Thiyagarajan .G, S.Pulavendran, S.Gowtham Kumar, N.Madhusudhanan and 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.
21. Ramakrishnan .V, Gowtham Kumar .S, N.Madhusudhanan G.Thiyagarajan, and 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.

22. Ramakrishnan .V, Gowtham kumar .S and Govindaraju .S . 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.
23. Gowtham Kumar .S , Ramakrishnan .V , Madhusudhanan .N , G.Thiyagarajan, K.Langeswaran and 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.
24. Gowtham kumar .S, Thiyagarajan. G, Ramakrishnan .V, Madhusudhanan .N and 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.
25. Jaya Sudha, Ramakrishnan .V , Madhusudhanan .N , Asit Baran Mandal and Thiyagarajan Gurunathan 2010. Studies on industrially significant haloalkaline protease from *Bacillus* sp. JSGT isolated from decaying skin of tannery, *J. Adv. Lab. Res. Biol*. 1(1):61-68.
26. Elavarasi. D, Ramakrishnan .V, Subramoniam .T, Ramesh .A , K. M. Cherian and 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).

NCBI-Nucleotide Sequences in GenBank

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

WORKSHOP/TRAINING ATTENDED

- 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.

CONFERENCE PAPERS

- Viji .D and Ramakrishnan .V “Recent developments in Clinical and Molecular cytogenetic techniques” Insights of Genetics in Molecular Medicine on 9th & 10th, March 2017, Bharathiar University, Coimbatore,India.
- Viji .D, Akram Husain .RS and Ramakrishnan .V “Impact of West Nile Virus infection caused by climate change” International Conference on Environment and Health in Changing Climate on 14 - 16, September 2016, Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli, India.
- Hafsa .S and Ramakrishnan .V “Current challenges in treating Visceral leishmaniasis - A Genomic approach” International Conference on Environment and Health in Changing Climate on 14 - 16, September 2016, Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli, India.
- Bhavani .B and Ramakrishnan .V “A New Approach for Non-Invasive Fetal Trisomy (NIFTY) Detection in Aneuploidies Using Massive Parallel Sequencing (MPS)” at International Conference on Modern Diagnostic Tools in Health Science on 22nd & 23rd August 2016, Department of Microbiology, Biochemistry & Bioinformatics and Clinical Trial Management, Dr. MGR Janaki College of Arts and Science for Women, RA Puram, Chennai, India.
- Pricilla .CP, Akram Husain .RS and Ramakrishnan .V “Molecular Biomarkers for Detecting Ovarian Cancer” at International Conference on Modern Diagnostic Tools in Health Science on 22nd & 23rd August 2016, Department of Microbiology, Biochemistry & Bioinformatics and Clinical Trial Management, Dr. MGR Janaki College of Arts and Science for Women, RA Puram, Chennai, India.
- Ilibagiza Regine, Akram Husain R.S, Ramacharan Reddy .D, Ramakrishnan .V “ Genetic predisposition of rs1801133 and rs1801282 polymorphisms in Diabetic Nephropathy – A case-control study” at International Conference on Structural and Functional Genomics on 19th and 20th August 2016, School of Chemical and Biotechnology, SASTRA University, Thanjavur, India.
- Aiswarya .PS, Akram Husain .RS, Ramakrishnan .V “Recent Trends on Molecular Basis of Coronary Artery Disease (CAD)” at International Conference on Structural and Functional Genomics on 19th and 20th August 2016, School of Chemical and Biotechnology, SASTRA University, Thanjavur, India.
- Akilpprienka .B, Janani .G, Jayavardhini .B, Ramakrishnan .V ” Brahmi (Bacopa monnieri) – Herb of grace against Alzheimer’s disease” at International conference on Applications of Natural Products and Opportunities Ahead (ICAN-2016) on 1st-2nd August 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai, India.
- Pricilla Charmine P and Ramakrishnan .V “Role of Green Tea in preventing complications Caused by Down syndrome” at International conference on Applications of Natural Products and Opportunities Ahead (ICAN-2016) on 1st-2nd August 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai, India.
- Viji .D, Akram Husain R.S, Ramakrishnan .V “Prostate Cancer Prevention by Herbal Medicine (Camellia sinensis)” at International conference on Applications of Natural Products and Opportunities Ahead (ICAN-2016) on 1st-2nd August 2016, School of Life Sciences, B.S. Abdur Rahman University, Chennai, India.
- Akram Husain R.S, Ramakrishnan .V “Cervical cancer and the role of genes associated with metabolic pathways for therapeutic implications” organized by Department of Biotechnology, Anna University, Chennai, India, March 2016.
- Ilibagiza Regine, Akram Husain R.S, Ramakrishnan .V “Screening of Single Nucleotide Polymorphisms in selected genes associated with Diabetes mellitus (T2DM) using ARMS-PCR approach” organized by Department of Biotechnology, Anna University, Chennai, India, March 2016.

- Gowtham Kumar and V. Ramakrishnan, Chromosomal translocation (7; 14) in primary infertile women. Papers presented in conferences: II National Conference on Basic Medical Sciences, Vinayaka mission's Kirupananada Variyar Medical College & Hospitals Salem, India, on 13th & 14th April 2012. VINbasix2012: medgenetics-pp 37.
- Participated in "Chettinad International Fertility Colloquium" organized by Department of Reproductive Medicine, Chettinad University, Chennai, India, September 2016.
- Participated in "Seminar on Evidence based Yoga Therapy in Lifestyle related Non – Communicable Disease" organized by Faculty of Allied Health Sciences, Chettinad University, Chennai, India, June, 2016.
- Participated in "In vivo small animal optical imaging" organized by Faculty of Allied Health Sciences, Chettinad University, Chennai, India, March 2016.
- Participated in "Chettinad International Fertility Colloquium" organized by Department of Reproductive Medicine, Chettinad University, Chennai, India, September 2015.
- Participated in "Chettinad Andrology Colloquium on Male Reproduction and Sexual Dysfunction" organized by Department of Reproductive Medicine & Andrology, Chettinad University, Chennai, India, March 2014.
- Participated in the NAAC Sponsored National Seminar on "Outreach – A Catalyst towards Improved Educational Outcomes" organized by Chettinad University, Chennai, India, on 28th & 29th September 2012.
- State level 'Continuing Medical Education (CME) program on Sleep Apnea' organized by Department of Physiology at Chettinad University, Chennai, India, on 3rd March 2012.
- Participated in the International Conference on " The Key Role of Life Sciences for Sustainable in the World" organized by Department of Life Sciences, Hindustan College of Arts & Science, Chennai on 30th & 31st August 2010.
- Participated in state level symposium on 'Health Care Outlook 2050' Department of Biotechnology, Indian Institute of Technology (IIT) Madras, Chennai and Laila Pharmaceuticals Pvt. Ltd., Chennai, India, on 3rd May 2010.
- Attended One Day Workshop on "Recent advancements in pollution control" Department of Chemical Engineering, SSN College of Engineering, Chennai, India, on 27th January 2010.
- Participated in state level symposium on "Application of Molecular Techniques in Clinical Diagnosis and research" organized by Chettinad University, Chennai, India, on 19th Dec 2009.
- Participated in state level symposium on "Bio-Nanotechnology" organized by Chettinad University, Chennai, India, on 15th & 16th July 2010.
- Participated in the one day State level Symposium on "Application of Molecular Techniques in Clinical Diagnosis and Research" organized by Department of Microbiology, at Chettinad University, Chennai, India, on 19th December 2009.