

DR. S. GOWTHAM KUMAR

**Assistant Professor (Senior
Scale)-Genetics**

**Faculty of Allied Health
Sciences,
Chettinad Hospital & Research Institute
Kelambakkam, Chennai 603 103, India**



Email: *gowtham_phd@yahoo.com*

Contact No.: 9962 527 952

Landline: (044) 4742 9038

QUALIFICATIONS:

**January 2011, Ph.D., Bio - Medical Genetics - Pharmacology and Environmental
Toxicology (Interdisciplinary) : University of Madras.**

April 2003-M.Sc., (Bio-Medical Genetics), University of Madras.

April 2000-B.Sc., Microbiology- University of Madras.

RESEARCH INTERESTS:

SNP detection, Cancer Genetics, Antibacterial Screening, Angiogenesis.

POST-DOC / WORK EXPERIENCE:

- 1) 2003– 2004: Research Assistant, YRG Centre for AIDS Research and Education (YRG CARE), VHS Hospitals, Taramani Chennai 600 113, INDIA.
- 2) 2010– Present: Asst. Professor-Genetics, Faculty of Allied Health Sciences, Chettinad Hospital and Research Institute (CHRI), Kelambakkam, Chennai 603 103, India.

SUMMARY OF RESEARCH:

Papers	16	Citation	137	h- index	7	i10 Index	5
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Patent filed:

Gowtham Kumar Subbharaj, Sindhu Varghese. A System and Device for dispensing sterile microbial culture media. Application number:201841000242 IPO, Chennai, Dated:03/01/2018.

Publications

1. V. Ramakrishnan, R. S. Akram Husain, **S. Gowtham Kumar**. An overview of rare genetic disorders and recent diagnostic approaches, *Saudi Journal for Health Sciences* (2016) 5, 105-117.
2. Langeswaran K, **Gowthamkumar S**, Vijayaprakash S, Revathy R, Balasubramanian MP. Influence of limonin on Wnt signalling molecule in HepG2 cell lines. *J Nat Sc Biol Med* (4):126-33; **2013**. (Citation:27).
3. Kulanthaivel Langeswaran, Rajendran Revathy, **Subbaraj Gowtham Kumar**, Shanmugam Vijayaprakash, Maruthaiveeran Periyasamy Balasubramanian. Kaempferol ameliorates aflatoxin B1 (AFB1) induced hepatocellular carcinoma through modifying metabolizing enzymes, membrane bound ATPases and mitochondrial TCA cycle enzymes. *Asian Pacific Journal of Tropical Biomedicine*, S165-3S1659; **2012**. (Citation:15).
4. Peranandam Tamilselvan, Kulanthaivel Langeswaran, Shanmugam Vijayaprakash, **Subbaraj Gowtham kumar**, Rajendran Revathy, Maruthaiveeran Periyaswamy Balasubramanian. Efficiency of lycopene against reproductive and developmental toxicity of Bisphenol A in male Sprague Dawley rats, *Biomedicine & Preventive Nutrition*, 4, (4), 491-498; **2014**.
5. V Ramakrishnan, **S Gowtham Kumar**, Radha Pandiyan. Klinefelter Syndrome and its association with Male Infertility. *As Pac JReprod*, 3(1): 77-79; **2014** (Citation:1) ..
6. R.Revathy, K. Langeswaran, **S. Gowtham Kumar**, S.Vijayaprakash, P.Tamilselvan, M P Balasubramanian. Anti-infertility significance of aqueous extract of *Ipomoea batatas* (L.) Lam. against exposure of bisphenol A (BPA) promoted testicular toxicity in male Sprague Dawley rats, *As Pac JReprod*, 2(4), 263-271; **2013** (Elsevier)(Citation:3) .
7. Jayaraman Jagadeesan, Kulanthaivel Langeswaran, **Subbaraj Gowtham Kumar**, Maruthaiveeran Periyaswamy Balasubramanian. Diosgenin exhibits beneficial efficiency

on human mammary carcinoma cell line MCF-7 and against N- nitroso-N- methylurea (NMU) induced experimental mammary carcinoma. *Biomedicine & Preventive Nutrition*, 3(4), 381-388; **2013** (Elsevier) (Citation:2) .

8. Shanmugam Vijayaprakash, Kulanthaivel Langeswaran, **Subbaraj Gowtham Kumar**, Rajendran Revathy, Maruthaiveeran Periyasamy Balasubramanian. Nephro-protective significance of kaempferol on mercuric chloride induced toxicity in Wistar albino rats. *Biomedicine & Aging Pathology*, 3;(3) 119-124; **2013** (Citation:6) ..
9. Kulanthaivel Langeswaran, **Subbaraj Gowtham Kumar**, Srinivasan Perumal, Rajendran Revathy, Maruthaiveeran Periyasamy Balasubramanian. Limonin – A citrus limonoid, establish anticancer potential by stabilizing lipid peroxidation and antioxidant status against N-nitrosodiethylamine induced experimental hepatocellular carcinoma. *Biomedicine & Preventive Nutrition*, 3(2), 165-171; **2013** (Citation:5) .
10. **Gowtham kumar S**, Ramakrishnan V, Madhusudhanan N, and Balasubramanian MP. 2011. Antioxidant activity of Allyl isothiocyanate [AITC] against N -nitrosodiethylamine induced experimental liver carcinogenesis, *Journal of Pharmacy Research*. 4-(10); Impact factor: 1.09.
11. **S. Gowtham Kumar**, V.Ramakrishnan, N.Madhusudhanan, 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). *International journal of biological & pharmaceutical research*. 2(1); 19 - 26; Impact factor: 0.92.
12. Ramakrishnan V, **Gowtham kumar S** and Madhusudhanan. Nov- 2011. N Genetic basis of coronary artery disease and its risk factors, *Journal of Pharmacy Research*; Impact factor: 1.09.
13. Madhusudhanan N, Lakshmi T, **Gowtham Kumar S** ,Ramakrishnan,Venu Gopala Rao Konda, Anitha Roy and Geetha R.V. Jul-Sep 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.

14. V.Ramakrishnan, **S. Gowtham Kumar**, 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 JMed Res. 1(2); 111-117.
15. V.Ramakrishnan, **S. Gowtham Kumar**, 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 " International journal of biological & Pharmaceutical research. 131–138; Impact factor: 0. 92.
16. V.Ramakrishnan, **S. Gowtham kumar** and S.Govindaraju. 2011." Cytogenetic analysis of micronuclei, sister chromatid exchange and chromosomal aberrations in pan masala chewers" International journal of Pharma and Biosciences. 2(3); 01– 13.
17. Madhusudhanan N, Ruckmani A, **Gowtham kumar S**, Ramakrishnan V and Balasubramanian MP. 2011. " Invitro cytotoxic activity of berberine on human lung carcinoma cell line A549" Journal of Pharmacy Research.Vol 4, No 12.
18. V.Ramakrishnan, G.Thiyagarajan, S.Pulavendran, **S.Gowtham Kumar**, N.Madhusudhanan and S Vincent. 2010. 'Study of Serum Metals and Antioxidant Enzymes in Patients with Coronary Artery Disease. International Journal of Genetic Engineering and Biotechnology. 1(3); 205–216.

BOOK CHAPTERS:

1. **S.Gowtham Kumar** , S. Solai Priya, Sindhu Varghese (2017) *Cancer versus nutraceuticals*. Chapter # 8. Molecular targets for nutraceuticals on cancer progression. pp: 205-228. Nova Science Publishers, USA (ISBN: 978-1-53612-529-0)
2. S. Weslen Vedakumari, **S.Gowtham Kumar.**, R. Senthil (2017). *Cancer versus nutraceuticals*, Chapter # 6. Role of nano -nutraceuticals in treatment of cancer.pp 159-184, Nova Science Publishers USA (ISBN: 978-1-53612-529-0).
3. **S. Gowtham Kumar**, (2016) *Disorders of Gastrointestinal Systems and Clinical Manifestations*. Chapter # 9. Microbial interaction on gastro intestinal system: unique molecular signature in establishment of infections. pp: 129-142, Nova Science Publishers USA (ISBN: 978-1-63485-366-8).
4. **S. Gowtham Kumar**, R. Karthik, V. Manigandan, Saravanan,R (2015). *Heaptotoxicity symptoms management and health implications*: Chapter # 4.Hepato -protective effect of phloroglucinol from south Indian marine macro algae against liver disorders., pp:51-78, Nova Science Publishers, USA (ISBN:798-1-63482-650-1)

BOOK / MONOGRAPH PUBLISHED:

1) **S. Gowtham Kumar**. Aug 2011. " Allyl isothiocyanate-A Promising drug for Liver Cancer, ISBN: 978-3-8454-3057-7, Lambert Academic Publishing, Germany.

2) **S. Gowtham Kumar** *et al*, Cadmium Toxicity-Impact on reproductivity, ISBN: 978-3-8473-0609-2, Lambert Academic Publishing, Germany.

MEMBER:

1. Life member in Indian Association of Bio-Medical Scientists (IABMS), Chennai.
2. Member, Board of Studies, Chettinad Academy of Research and education from 2017-2019
3. Editorial Membership: (i) Gene and Cell Therapy - Science publishing group, NY 10018 U.S.A.

[www.sciencepublishinggroup.com/ journal/ editorialboard?journalid=364](http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=364)

(ii) International Journal of Pharmacy and Pharmaceutical Sciences-India.

[http:// innovareacademics.in/ journals/ index.php/ ijpps/ pages/ view/ editorial-board](http://innovareacademics.in/journals/index.php/ijpps/pages/view/editorial-board)