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Associate Professor-Genetics,
Faculty of Allied Health Sciences,
Chettinad Academy of Research and Education
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EXPERIENCE

- **January 2019 – till date**
Associate Professor,
Faculty of Allied Health Sciences,
Chettinad Academy of Research and Education
(Deemed to be University),Kelambakkam-603 103, Tamil Nadu, India.
- **March 2010 – December 2018**
Assistant Professor,
Faculty of Allied Health Sciences,
Chettinad Academy of Research and Education (Deemed University),Kelambakkam-603 103, Tamil Nadu, India.
- **Feb 2007-March 2010**
Junior Research Fellow (UGC), Department of Pharmacology &ET,University of Madras,
Dr.ALM PG IBMS, Taramani Campus, Chennai-600 113.
- **Nov 2003- June 2005**
Research Assistant,
YRG Centre for AIDS Research and Education, VHS Hospital campus,Chennai - 600 113

EDUCATION

- **Ph.D.: Bio-Medical Genetics- Pharmacology and Environmental Toxicology**
(Interdisciplinary) (Regular Full time) - 2007-2011 Institute: Dr.
ALM Institute of Basic Medical Sciences,University of Madras.
- Master of Science: Bio-Medical Genetics (First Class)**
(Regular-Full time) 2001-2003,
Institute: Dr. ALM Institute of Basic Medical Sciences,University
of Madras.
- Bachelor Science: Microbiology (First Class)** (Regular-Full time) 1996-2000
Institute: Muthayammal College of Arts and Science, University of Madras

PATENT FILED:

S.No	Title of the invention	Application number	Date of filing	Status
1.	A system and device for dispensing sterile microbial culture Media.	201841000242	03/01/2018	Application referred for examination.
2.	System and fabrication of a microbial streaking apparatus and application thereof	202041051678	27/11/2020	Published in IP Journal. Publication Date: 04/12/2020. Application referred for First examination Report (FER).
3.	System and fabrication of replica plating apparatus and applications Thereof	202141056736	17/12/2021	Patent Published in IP Journal Issue No. 51/2021

Extra Mural Research Grant received:**Status:** Completed

(03/03/ 2019 to 03/03/2022)

S No	Principal Investigator	Total Grant and Funding agency
1	Dr.S.Gowtham Kumar Grant Number: EEQ/2018/000882(03/03/2019 to 03/03 2022) Title: "Synergistic effect of nano- formulated kaempferol and combretastatin on anti-angiogenesis: <i>invitro</i> and <i>in ova</i> approach."	Rs.46,00,000/ Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India

Book Chapters:

S.No	Chapter title	Book Title	ISBN Number and Publisher
1.	Clubfoot, Congenital, With or Without Deficiency of Long Bones And /Or Mirror-Image Polydactyly (CCF)"	Genetic Syndromes: A Comprehensive Reference Guide	ISBN: 9783-319-66816-1 Springer Nature (In Press)
2.	Nephrotic syndrome	Genetic Syndromes: A Comprehensive Reference Guide	ISBN: 9783-319-66816-1 Springer Nature (In Press)

3.	Spinocerebellar Ataxia Autosomal Recessive (SCAR) 20, 21, 23, 24	Genetic Syndromes: A Comprehensive Reference Guide	ISBN: 9783-319-66816-1 Springer Nature (In Press)
4	Preventive Role of Nutraceutical Agents Against Aging	Evidence-based Functional Foods for Prevention of Age-related Diseases	ISBN:978-981-99-0533-1 Springer Singapore
5	Perspective of algae materials 2.0	Algae Materials	Academic Press, Elsevier 9780443188169
6	Diabetic and Nephropathy	Advances in Diabetes Research and Management	978-981-19-0027-3 Springer Nature
7	Diabetes and Other Comorbidities: Microvascular and Macrovascular Diseases: Diabetes and Cancer	Advances in Diabetes Research and Management	978-981-19-0027-3 Springer Nature
8	Proteins Drug Targeting and Its Therapeutics	Therapeutic Proteins Against Human Diseases	ISBN-13. 978-9811678967 Springer Nature
9	Chorioallantoic Membrane (CAM) and <i>In Ovo</i> Models as Potential Platforms for Testing Cancer Agents	Handbook of Animal Models and its Uses in Cancer Research	ISBN-13: 978-9811938238, Springer Nature.
10	Imaging modalities for congenital heart disease and genetic polymorphism associated with coronary artery and cardiovascular diseases	Cardiovascular and Coronary Artery Imaging Volume 2	ISBN: 978-0-12-821983-6 Elsevier Academic Press
11	A Promising Therapeutic for Cancer Model and Alzheimer's Disease	Handbook of Animal Models and its Uses in Cancer Research	ISBN: 9789811938238,2022, Springer Nature.
12	Triple-Negative Breast Cancer (TNBC): Clinical Features and Therapeutic	Handbook of Animal Models and its Uses in Cancer Research	ISBN: 9789811938238,2022, Springer Nature.
13	Perspectives of Stem Cell Therapy: A Promising Therapeutic for Cancer Model and Alzheimer's Disease	Handbook of Animal Models and its Uses in Cancer Research	ISBN: 9789811938238,2022, Springer Nature.
14	Therapeutic Approaches and Models in Retinoblastoma	Handbook of Animal Models and its Uses in Cancer Research	ISBN: 9789811938238,2022, Springer Nature.

15	Gene polymorphism and the risk of coronary artery disease	Cardiovascular and Coronary Artery Imaging-Volume I; 1st Edition	ISBN: 978-0-12-822706-0 Elsevier Academic Press
16	Genomic association of polycystic ovarian syndrome: Single nucleotide Polymorphism and their role in disease Progression.	Computations in Bioinformatics and its multidisciplinary applications	ISBN:9781119654803 Scrivener Wiley Publishing
17	Genome Wide Detection Of Candidate Gene Polymorphism For Early Diagnosis Of Diabetic Nephropathy	Advances In Therapeutics And Diagnostics Of Human Diseases	ISBN: 978-1536153828 Nova Biomedical Publisher, USA
18	Phytotherapeutic Approaches of <i>Ficus religiosa</i> (Linn) for Benzo(a)Pyrene Induced Testicular Toxicity	Advances In Therapeutics And Diagnostics Of Human Diseases	ISBN: 978-1536153828 Nova Biomedical Publisher, USA
19	Molecular Targets For Nutraceuticals On Cancer Progression	Cancer Versus Nutraceuticals	ISBN: 9781536125290 Nova Biomedical Publisher, USA
20	Role Of Nano- Nutraceuticals In Treatment Of Cancer.	Cancer Versus Nutraceuticals	ISBN: 9781536125290 Nova Biomedical Publisher, USA
21	Microbial Interaction On Gastro Intestinal System: Unique Molecular Signature In Establishment Of Infections	Disorders Of Gastrointestinal Systems And Clinical Manifestation	ISBN: 9781634853668 Nova Biomedical Publisher, USA
22	Hepato-Protective Effect of Phloroglucinol From South Indian Marine Macro Algae Against Liver Disorders Liver Disorders.	Hepatotoxicity: Symptoms, Management and Health Implications	ISBN: 9781634826952 Nova Biomedical Publisher, USA

Monographs Published:

S.No	Chapter title	Publisher and ISBN Number
1.	Allyl isothiocyanate A Promising drug for Liver Cancer	Lambert Academic Publishing GmbH & Co. KG, Germany; 2011; ISBN: 978-3-8454-3057-7

2.	Cadmium Toxicity-Impact on reproductivity	Lambert Academic Publishing GmbH & Co.KG, Germany; 2011 ISBN: 978-3-8473-0609-2
3.	Limonin against Hepatocellular Carcinoma	Lambert Academic Publishing GmbH & Co. KG, Germany.ISBN No: 978-3-8484-9905-2
4.	Role of <i>Ipomoea batatas</i> (L) against male infertility	Lambert Academic Publishing GmbH & Co. KG, Germany ISBN No: 978-3-659-41875-4,
5.	Diosgenin against Chemical Induced Mammary Carcinogenesis and In MCF-7 Human Breast Cancer Cell Line	Lambert Academic Publishing GmbH & Co. KG, Germany ISBN No: 978-3-659-15661-8

Faculty Development Program attended:

S No	Date	Topic	Organizing Institute
1.	22/11/2021 to 26/11/2021	Gene and Genome Technology for Biologists	Bihar Animal Sciences University.(AICTE Training And Learning (ATAL) Academy Online FDP :ATAL/2021/1623299248)
2.	4/10/2021 to 08/10/2021	Drug Engineering	Sardar Patel College of Engineering, Mumbai. (AICTE Training And Learning(ATAL) Academy Online FDP ATAL/2021/1623298870
3.	14/09/2021 to 18/09/2021	Applications of Biotechnological and Analytical Tools in Pharmaceutical Research	Meerut Institute of Engineering &Technology. (AICTE Training And Learning (ATAL) Academy Online FDP ATAL/2021/1630644832
4.	21/08/2021	Development and Delivery of e-Content	Department of English, FAHS in collaboration with IT department, Chettinad Academy of Research and Education (Deemed to be University),
5.	24/06/2020 to 30/06/2020	Teach the teachers	The Headway Academy, Chennai

Invited Lecture delivered in Conference/seminar/Workshop:

SNo	Date	Topic/Venue
1	10/05/2016	ICMR sponsored National level Seminar on “Recent Advances in Orthopedics implants using nanotechnology” Organized by VRS College of Engineering and Technology, Arasur, Villupuram-607 107.
2	04/07/2019	UGC Autonomy Grant sponsored National Seminar “The new vistas in chemical Sciences”. Organized by Department of Chemistry, Govt. College for Women (Autonomous), Kumbakonam
3	13/03/2021	National Virtual Seminar on New era in <i>in silico</i> biology and DNA polymorphism in health and disease” Organized by St. Joseph College of Arts and Science (Autonomous), Thiruchirapalli- 620002.
4	03/04/2021	State level symposium on implications for health and design Organized by Kandaswami Kandars College, Velur, Namakkal-638 182.
5	29/03/2022	Invited lecture on Advancements in Molecular Therapeutics Organized by Department of Microbiology, Sri Ganesh College of Arts and Science, Ammapet, Salem-636 014.
6	17/05/2022	Invited lecture on “Molecules as Medicine and Diagnostic approach on Inherited Disorders” Organized by Department of Biochemistry, Vivekanandha College of Arts and Science for Women, Elayampalayam, Tiruchengode, Namakkal (Dt)

PhD Guidance:

S. No	Name of the Scholar	Title	Duration
1.	Sindhu Varghese (CARE JRF)	Selected Genetic polymorphism in association with Diabetic Nephropathy in Type -II patients-Case vs Control Study	2016-2021
2.	Santhosh Kumar Y (DST-SERB JRF)	Anti-Angiogenic and Anti-cancer activities of Nano formulated Naringenin in combination with Selenium Nano-particles	2019-Present
3.	Sharon Benita S (CARE JRF)	Evaluation of Anti-Angiogenic and Anti-cancer activities of flavonoid based metal complex by using <i>in-vitro</i> and <i>in-ova</i> analysis.	2022-Present
4.	Bibin Savio A (CARE JRF)	Anti-cancer, pro-angiogenic and anti-angiogenic activities of nano-encapsulated flavonoid in animal model and cancer cell line.	2023-Present

Publications:

Prabakaran L, Sathyaraj WV, Yesudhasan BV, Subbaraj Gowtham Kumar, Atchudan R. Green Synthesis of Multifunctional Silver Nanoparticles Using *Plectranthus amboinicus* for Sensitive Detection of Triethylamine, with Potential *In Vitro* Antibacterial and Anticancer Activities. *Chemosensors*. 2023 Jul 4;11(7):373.

Gowtham Kumar Subbaraj, Tariq Masoodi, Santhosh Kumar Yasam, Kirubhanand Chandrashekar, Langeswaran Kulanthaivel, Noor Ahmad Shaik, Sheema Hashem, Ammira S. Alshabeeb Akil, Ajaz A. Bhat. Anti-angiogenic effect of nano-formulated water soluble kaempferol and combretastatin in an *in vivo* chick chorioallantoic membrane model and HUVEC cells. *Biomedicine & Pharmacotherapy*, 163, 2023, 114820, <https://doi.org/10.1016/j.biopha.2023.114820>.

Subbaraj GK, Elangovan H, Chandramouli P, Yasam SK, Chandrasekaran K, Kulanthaivel L, Pandi S, Subramanian S. Antiangiogenic Potential of Troxerutin and Chitosan Loaded Troxerutin on Chorioallantoic Membrane Model. *BioMed Research International*. 2023 May 23;2023.

Raman LS, Shanmuganathan A, Chandrashekar S, Kaliyaperumal P, Perumal E, Mudiganti RK, Nachammai KT, Kulanthaivel L, Subbaraj GK, Chandrasekaran K, Ramrao Sontakke B. Antioxidant, Anti-Inflammatory, and Anticarcinogenic Efficacy of an Ayurvedic Formulation: Amritotharanam Kashyam. *Advances in Pharmacological and Pharmaceutical Sciences*. 2023 Apr 28;2023.

Subbaraj GK, Elangovan H, Chandramouli P, Yasam SK, Chandrasekaran K, Kulanthaivel L, Pandi S, Subramanian S. Antiangiogenic Potential of Troxerutin and Chitosan Loaded Troxerutin on Chorioallantoic Membrane Model. *BioMed Research International*. 2023 May 23;2023.

Aavula T, Venkatesan M, Yasam SK, Subbaraj GK, Ramachandran S. Extraction, formulation, structural characterization and cardiotoxicity effect of agar from *Turbinaria conoides* in zebrafish embryo model. *Biomass Conversion and Biorefinery*. 2023 Apr 25:1-7.

Senthilkumar Subramanian, Lakshmi Sundaram R, Ram Krishna Rao M, Perumal Elumalai, Prabhu K, S. Gowtham Kumar, Langeswaran K, and Nachammai KT. Antioxidant, anti-inflammatory, and anti-carcinogenic efficacy of an ayurvedic formulation—amritotharanam kashyam. *Advances in Pharmacological and Pharmaceutical Sciences*.

Nachammai.KT, Sangavi.P, Priyanka G, Thameema Parveen S, Kirubhanand C Gowtham Kumar S Langeswaran K. Exploration and validation of lead molecules against yellow fever through high throughput virtual screening and molecular dynamics simulation. *Letters in Drug Design & Discovery* (IF-1.09).

Kumar YS, Langeswaran K, Chandrashekar GK, Priyanka G, Gowtham Kumar Subbaraj. Association of RAMP-1 gene polymorphisms and risk of migraine: Systemic review and meta-analysis. *Human Gene*. 2023 Feb 21:201157.

Gowtham Kumar S, Kirubhanand C, Merciline Leonorab J, Anitha S, Sangeetha R, Nachammai KT, Langeswaran K. Targeting potential receptor molecules in non-small cell lung cancer (NSCLC) using *in silico* approaches. *Frontiers in Molecular Biosciences*. 10:58 (IF: 6.1).

Nachammai KT, Ramachandran S, Nagarajan C, Kulanthaivel L, Subbaraj Gowtham Kumar, Chandrasekaran K, Paramasivan V, Subramanian S. Exploration of Bioinformatics on Microbial Fuel Cell Technology: Trends, Challenges, and Future Prospects. *Journal of Chemistry*. 2023 Jan 27; 2023 (IF: 3.2).

Thangam C, Cyril R, Jayasree R, Yasam SK, Kulanthaivel L, Asir AB, Subbaraj Gowtham Kumar. Preliminary screening of nano formulated naringenin with reference to molecular docking, characterization and biomedical application. *Journal of Pharmaceutical Negative Results*. 2023 Jan 1:1926-38.

Sangavi P, Langeswaran K, Gowtham Kumar S. Anticarcinogenic Efficacy of Fucoxanthin on HepG2 Cell Lines. *Journal of Clinical & Diagnostic Research*. 2022 Feb 1; 16(2).

Santhosh Kumar Y, Thangam C, Cyril R, Murugan H, Selvaraj S, Langeswaran K, Gowtham Kumar S. Anti-angiogenic activity of nano naringenin on chick chorioallantoic membrane model. *Journal of Pharmaceutical Negative Results*. 2022 Dec 24:4038-47.

R.Sangeetha, Premkumar,S. S. Maithili,C. Kirubhanand, S. Gowtham Kumar, P. Sangavi,K. Langeswaran.Spectroscopic, Solvent Effect, Molecular Docking and Molecular Dynamics Investigations on Phytocompounds from *Elettaria cardamomum* against Covid-19.Polycyclic Aromatic Compounds, <https://doi.org/10.1080/10406638.2022.2086270>,2022 (IF=2.1).

Saraswathi N, Girigoswami K, Divya KC, Gowtham Kumar S, Girigoswami A. Degree of Gelatination on Ag-Nanoparticles to Inactivate Multi-drug Resistant Bacterial Biofilm Isolated from Sewage Treatment Plant. *Current Drug Delivery*, 2022 May 9 (IF=3.7).

Shaslinah N, Sangavi P, Sangeetha R, Gowtham Kumar S, Sindhu V, Langeswaran K. Screening and identification of potential inhibitor for visceral leishmaniasis (VL) through computational analysis. *Journal of Genetic Engineering and Biotechnology*. 2022; 20(1):1-2 (IF=0.729).

Varghese S, Gowtham Kumar S. Role of eNOS and TGFβ1 gene polymorphisms in the development of diabetic nephropathy in type 2 diabetic patients in South Indian population. *Egyptian Journal of Medical Human Genetics*. 2022 Dec; 23(1):1-0 (IF=0.595).

Pandi S, Kulanthaivel L, Gowtham Kumar S, Rajaram S, Subramanian S. Screening of Potential Breast Cancer Inhibitors through Molecular Docking and Molecular Dynamics Simulation. *BioMed Research International*. 2022 Jun 28; 2022 (IF=3.2).

Varshini GS, Harshini S, Siham MA, Tejaswini GK, Kumar YS, Kulanthaivel L, Gowtham Kumar S. Investigation of FOXP3 (rs3761548) polymorphism with the risk of preeclampsia and recurrent spontaneous abortion: A systemic review and meta- analysis. *Asian Pacific Journal of Reproduction*. 2022 May 1; 11(3):117 (IF=1.479).

Nirusimhan V, Gideon DA, Parashar A, Jeyachandran S, Jeyaraman J, Gowtham KumarS, Kulanthaivel L. Structural Modeling of Drosophila melanogaster Gut Cytochrome P450s and Docking Comparison of Fruit Fly Gut and Human Cytochrome P450s. *Current Drug Metabolism*,2022 (IF=3.4).

Santhosh Kumar Y, Kulanthaivel L, Hikku GS, Saravanan R, Lakshmi T, KirubhanandC, Karthikeyan M, Vijayalakshmi P, Gowtham Kumar S. Improved Antibacterial Activity of Water-Soluble Nanoformulated Kaempferol and Combretastatin Polyphenolic Compounds. International Journal of Polymer Science. 2021; Oct 27; 2021 (IF=2.642).

Gowtham Kumar S, Kumar YS, Kulanthaivel L. Antiangiogenic role of natural flavonoids and their molecular mechanism: an update. The Egyptian Journal of Internal Medicine. 2021; 33(1):1-0.

Kumar YS, Varghese S, Kulanthaivel L, Gowtham Kumar S. Association of VEGF polymorphisms and breast cancer susceptibility: Systemic review and meta-analysis. Meta Gene, 2021 Jul 7:100946 (IF=0.536).

Varghese S, Gowtham Kumar S. Association between PTX3 and PVT1 genetic polymorphisms and the risk of diabetic kidney disease in type 2 diabetic patients. The Egyptian Journal of Internal Medicine. 2021; 33(1):1-12.

Arthiya M, Bhavani S, Jenisha J, Sharmila D, Varghese S, Kulanthaivel L, Gowtham Kumar S. LDLR, MTHFR and KLOTHO gene polymorphisms as an early predictor in the risk of coronary artery disease: A Meta-analysis. Gene Reports. 2021 Apr 1:101120 (IF=1.541).

Divya M, Gayathri N, Shakthisree N, Benita SS, Varghese S, Gowtham Kumar S. Association of interleukin1 β , interleukin1 receptor antagonist, interleukin 6 and angiotensin II receptor type I gene polymorphisms with end stage renal disease: A meta- analysis. Gene Reports, 2020 Aug 26:100856 (IF=1.541).

Goussalyaa, M.S.Jancya. Anolin Jemi, R.Soundarya, SindhuVarghese, Amrita Priscilla Nalini, Gowtham Kumar S. Association of Interleukin 6 and insulin resistance gene polymorphism with polycystic ovarian syndrome: A meta- analysis. Meta Gene,24, June 2020, 100675 (IF=0.536).

Akilpprienka B, Malarkodi M, Vivedharani R, Varghese S, Anitha V, Rajamanickam K, Gowtham Kumar S. Studies on the Association of DEFB1 Gene Polymorphism (rs11362 and rs1799946) and Dental Caries in South Indian Population. J Datta Meghe Inst Med Sci Univ 2019; 14:237-40.

Sindhu Varghese, Gowtham Kumar S. Prevalence of micro albuminuria and diagnostic accuracy of urine dipstick for the screening of diabetic nephropathy in type 2 diabetes patients. Biocatalysis and Agricultural Biotechnology, 21 (2019) 101316 (IF=3.281).

Sindhu Varghese, Gowtham Kumar S. Association between genetic variants of NOS3, TGF- β and susceptibility of diabetic nephropathy: A meta- analysis. Meta Gene 21:100573, April 2019.DOI: 10.1016/j.mgene.2019.10057 (IF=0.536).

L Kulanthaivel, J Jeyaraman, A Biswas, Gowtham Kumar S, S Santhoshkumar Identification of potential inhibitors for Penicillin binding protein (PBP) from *Staphylococcus aureus.*, Bioinformation 14 (9), 471-476,2018 (IF=0.31).

V. Ramakrishnan, R. S. Akram Husain, Gowtham Kumar S. An overview of rare genetic disorders and recent diagnostic approaches, Saudi Journal for Health Sciences (2016) 5, 105-117.

Perumal S, Babu LH, Langeswaran K, Gowtham Kumar S, Balasubramanian MP. Pharmacological potential of natural flavonoid diosmin against n-nitrosodiethylamine induced hepatocellular carcinogenesis in wistar albino rats. *Int J Res Biosci.* 2015; 4:25- 36.

Ramakrishnan V, Gowtham Kumar S, Pandiyan R. Klinefelter syndrome and its association with male infertility. *Asian Pacific Journal of Reproduction.* 2014 Mar 1; 3(1):77-9 (IF=1.479).

Langeswaran K, Gowtham Kumar 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 (IF=0.672).

Jagadeesan AJ, Langeswaran K, Gowtham Kumar S, Revathy R, Balasubramanian MP. Chemopreventive potential of diosgenin on modulating glycoproteins, TCA cycle enzymes, carbohydrate metabolising enzymes and biotransformation enzymes against N- methyl-N-nitrosourea induced mammary carcinogenesis. *Int J Pharm Pharm Sci.* 2013; 5(4):575-82.

Gowtham Kumar S, Kulanthaivel L, Rajendran R, Veerabathiran R. Ethanolic extract of *Carum carvi* (EECC) prevents N-nitrosodiethylamine induced phenobarbital promoted hepatocarcinogenesis by modulating antioxidant enzymes. *Int J Pharm Pharm Sci.* 2013 Jan; 5:195-9.

Gowtham Kumar S, Langeswaran K, Revathy R, Ramakrishnan V Ethanoloic extract of *Carum carvi* (EECC) prevents N- nitrosodiethylamine induced phenobarbital promoted hepatocarcinogenesis by modulating antioxidant enzymes. *Int J Pharm Pharm Sc.* 5(1): 195-99; 2011.

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*, S1653- S1659; 2012 (IF=1.545).

Peranandam Tamilselvan, Kulanthaivel Langeswaran, Shanmugam Vijayaprakash, Gowtham Kumar S, 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.

R.Revathy, K. Langeswaran, Gowtham Kumar S, S.Vijayaprakash, P.Tamilselvan, M PBalasubramanian. 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 J Reprod* (IF=1.479).

Jayaraman Jagadeesan, Kulanthaivel Langeswaran, Gowtham Kumar S, 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.

Membership:

- Life member in Indian Association of Bio- Medical Scientists (IABMS), Chennai.
- Member, Board of Studies, Chettinad Academy of Research and Education.
- External member for University practical examination/PhD Evaluation:
 - SRM Institute of Science and Technology (Deemed to be University), Chennai;
 - Meenakshi Academy of Higher Education and Research (Deemed to be University), Chennai;
 - Vels Institute of Science and Technology and Advance Studies (Deemed to be University), Pallavaram, Chennai.
- Member, Asian Council for Science Editors.
- Question paper setter: Alagappa Iniversity, Karaikudi; Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai