




Bharathiar University

State University | "A⁺⁺" Grade by NAAC | 46th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

<p>Dr V THIRUNAVUKKARASU Associate Professor Department of Biotechnology Bharathiar University , 641046 Tamil Nadu E-mail: thirunavukkarasu@buc.edu.in Phone: 9940268381 Office Number:</p>	
<p>Research Area</p> <ul style="list-style-type: none"> • Cancer Genetics and Proteomics • Signal Transduction • Cancer Therapeutics • Infectious Diseases 	<p>Courses Teaching</p> <ul style="list-style-type: none"> • Biochemistry • Pharmaceutical Biotechnology • Molecular Diagnostics & Clinical Testing • Animal Biotechnology • Genetics
<p>Research Experience: 25</p>	<p>Teaching Experience: 9</p>
<p>Research Credentials (as on September 2025 – Source: Google scholar) H-index: 28 Citations: 3101 i10-index: 42</p>	
<p>Patents : Granted: 4 Filed: 2</p>	
<p>Publications Books/Chapters: 3 International Journals: 59 National Journals: 3</p>	
<p>Career</p> <p>Other Institutes</p> <ol style="list-style-type: none"> 1. Designation : Post Doctoral Fellow Institution Name : Department of Pathology, University of Michigan, Michigan, USA Period : October 2009 - January 2015 2. Designation : Post Doctoral Fellow Institution Name : The University of Texas Health center at Tyler, Texas, USA. Period : May 2005 - August 2008 3. Designation : Post Doctoral Fellow Institution Name : Senior Scientist, Sri Ramachandra Medical University, Chennai Period : March 2015 - March 2016 4. Designation : Post Doctoral Fellow Institution Name : Department of Pediatrics, Louisiana State University Health Sciences Center Shreveport, USA Period : August 2008 - September 2009 5. Designation : Assistant Professor Institution Name : DBT-Ramalingaswami Fellow/Senior Assistant Professor, Department of Animal Science, Bharathidasan University, Tiruchirappalli Period : November 2016 - Till Date <p>At Bharathiar University</p> <ol style="list-style-type: none"> 1. Designation : Associate Professor Period : November 2016 - Till Date 	
<p>Education</p>	



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Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr V THIRUNAVUKKARASU , Associate Professor , Department of Biotechnology

Ph. D.

Subject : Biochemistry
Institution : Annamalai University
Affiliated University : Annamalai University
Year of Award : February 2005

M. Phil.

Subject : Biochemistry
Institution : Annamalai University
Affiliated University : Annamalai University
Year of Award : December 2000

M. Sc.

Subject : Biochemistry
Institution : Annamalai University
Affiliated University : Annamalai University
Year of Award : April 1999

Projects

National Level

Ongoing - 4 completed - 3

Research Guidance

Completed

Ph.D. - 1 M.Phil. - 1

On Going

Ph.D. - 5

Visits

1. 5th International meeting on Food & Brain Health, Sultan Qaboos University -)
2. 3rd Kuwait international conference on life sciences -)
3. 6th International meeting on Food & Brain Health, Sultan QaboosUniversity -)

Publications

International Journals - 59

59. Investigations on bioactive compounds of Punica granatum and Beta vulgaris for breast cancer treatment: Network pharmacology predictions, molecular docking, and in-vitro experimental verification of radiation-sensitizing effects

Computational Biology and Chemistry (August 2025)

Nishasri Sukumaran, C.S. Sureka, P. Gurusaravanan, Thirunavukkarasu Velusamy, R. Alagupandi, T. Priyadarshini

58. Toxicological Impact of Chronic Chlorpyrifos Exposure: DNA Damage and Epigenetic Alterations Induces Neoplastic Transformation of Liver Cells

Biochemical and Biophysical Research Communications (February 2025)

Pavithra Balakrishnan, Kishore Thirunavukkarasu, Priyadarshini Tamizhmani, Antony Anista Michael, Thirunavukkarasu

57. Efficacy of L-cysteine in increasing circulatory hydrogen sulfide, nitrite, and 25-hydroxyvitamin D levels in Zucker diabetic fatty rats and in vitro treatment of hydrogen sulfide and nitrite in upregulating vitamin D hydroxylase genes in monocytes

Journal of Dairy Science (December 2024)

Sushil K. Jain, Jeffrey Justin Margret, Rajesh Parsanathan, Thirunavukkarasu Velusamy

56. Delineating Notch1 and Notch2: Receptor-Specific Significance and Therapeutic Importance of Pinpoint Targeting Strategies for Hematological Malignancies

European Journal of Haematology (November 2024)

Priyadarshini Tamizhmani, Banumathi Balamurugan, Kishore Thirunavukkarasu, Velayuthaprabhu Shanmugam, Selvakumar Subramaniam, Thirunavukkarasu Velusamy



55. Synthesis of spiro-pyrrolizidine: Crystal structure and anticancer activity

Journal of Molecular Structure (September 2024)

Jeyashri, K.R., Logeshwari, G., Rajapandian, U., Sivakumar, K., Selvanayagam, S., Manikandan, H., Kaviyarasu, K., Sakthivel, P. and Thirunavukkarasu, V

54. Effect of prawn fed with Catharanthus roseus ethanolic extract incorporated diet in the protein profile approaches in gene expressions related and immune characteristics in giant freshwater prawn

(Macrobrachium rosenbergii)

Aquaculture International (May 2024)

Velusamy Arulvendhan, Periyakali Saravana Bhavan, Michael Antony Anista, Velusamy Thirunavukkarasu, Velusamy Gayathri, Thirunavukkarasu Muralisankar, Madhayan Karthik & Puthamohan Vinayaga Moorthi

53. Targeting altered calcium homeostasis and uncoupling protein?2 promotes sensitivity in drug?resistant breast cancer cells

Journal of Biochemical and Molecular Toxicology (January 2024)

Pavithra Balakrishnan, Ashok Arasu, Thirunavukkarasu Velusamy

52. Molecular docking and dynamic simulation studies of ?4?2 and ?7 nicotinic acetylcholine receptors with tobacco smoke constituents nicotine, NNK and NNN

Journal of Biomolecular Structure and Dynamics (October 2023)

A. M. Thasweer, P. Renuka Devi & Velusamy Thirunavukkarasu

51. CD36 and GPR120 mediated orogustatory perception of dietary lipids and its physiological implication in the pygmy mouse Mus booduga

Journal of Animal Physiology and Animal Nutrition (November 2022)

Deepankumar Shanmugamprema, Karthi Muthuswamy, Vinithra Ponnusamy, Gowtham Subramanian, Thirunavukkarasu Velusamy, Vasanth Krishnan, Selvakumar Subramaniam

50. Photocatalytic, Shielding and Cytotoxic Properties of Reduced Graphene Oxide and Barium Ferrite nanocomposite synthesized via Green Combustion Method

Advanced Materials and Devices (September 2022)

H.C. Manjunatha, Y.S. Vidya, K.N. Sridhar, L. Seenappa, B.Chinnappa Reddy, S. Manjunatha, A.N. Santhosh, N. Dhananjaya, Thirunavukkarasu Velusamy, B. Pavithra, P.S.Damodara Gupta

49. Development of optimized novel liposome loaded with 6-gingerol and assessment of its therapeutic activity against NSCLC In vitro and In vivo experimental models

Chemistry and Physics of Lipids (July 2022)

Priyadharshini Thangavelu, Viswanathan Sundaram, Kaavya Gunasekaran, Bonaventure Mujiyambere, Sowndarya Raju, Arya Kannan, Ashok Arasu, Kadirvelu Krishna, Jayaraj Ramamoorthi, Sivasamy Ramasamy, Thirunavukkarasu Velusamy, Suja Samiappan

48. Therapeutic effects of vitamin D and cancer: An overview

Food Frontiers (June 2021)

Jisha Elsa Varghese, Balamuralikrishnan Balasubramanian, Shanmugam Velayuthaprabhu, Velusamy Thirunavukkarasu, Rengasamy Lakshminarayanan Rengarajan, Easwaran Murugesu, Pappusamy Manikandan, Meyyazhagan Arun, Arumugam Vijaya Anand

47. Anti?Obesity Effect of T. Chebula Fruit Extract on High Fat Diet Induced Obese Mice: A Possible

Alternative Therapy

Molecular Nutrition & Food Research (May 2021)

Gowtham Subramanian, Deepankumar Shanmugamprema, Ramya Subramani, Karthi Muthuswamy, Vinithra Ponnusamy, Kalpana Tankay, Thirunavukkarasu Velusamy, Vasanth Krishnan, Selvakumar Subramaniam

46. Biosimilars: An Update

International Journal of Nutrition, Pharmacology, Neurological Diseases (March 2021)

Saravanan Bhojaraj, Thirumorthy Durai Ananda Kumar, Abhinav Raj Ghosh, BS Sushmitha, Srinivasan Ramamurthy, Thirunavukkarasu Velusamy, Thiyagarajan Ramesh, MK Jayanthi, Musthafa Mohamed Essa, Saravana Babu Chidambaram, M Walid Qoronfleh



45. RNA sequencing analyses reveal differentially expressed genes and pathways as Notch2 targets in B-cell lymphoma

Oncotarget (December 2020)

Ashok Arasu, Pavithra Balakrishnan, Thirunavukkarasu Velusamy

44. Boswellia Gum Resin and Essential Oils: Potential Health Benefits? An Evidence Based Review

International Journal of Nutrition, Pharmacology, Neurological Diseases (June 2019)

Luay Rashan, F Lukmanul Hakkim, Mohammed Idrees, Musthafa Mohamed Essa, Thirunavukkarasu Velusamy, Mohammed Al-Baloshi, Buthaina S Al-Balushi, Ali Al Jabri, Mohammed H Al-Rizeiqi, Gilles J Guillemin, Sidgi Syed Anwer Abdo Hasson

43. PAX3: a molecule with oncogenic or tumor suppressor function is involved in cancer

BioMed Research International (August 2018)

Ashok Arasu, Sengottuvelan Murugan, Musthafa Mohamed Essa, Thirunavukkarasu Velusamy, Gilles J Guillemin

42. Protective effect of Zizyphus spinachristi on MPP+-induced oxidative stress

Frontiers in Bioscience (March 2018)

Vandita Singh, Musthafa Mohamed Essa, Nejb Guizani, Rengasamy Balakrishnan, Tamiloli Hemalatha, Thamilarasan Manivasagam, Arokiasamy Justin-Thenmozhi, Namasivayam Elangovan, Thirunavukkarasu Velusamy

41. Protective effect of antioxidants on neuronal dysfunction and plasticity in Huntington's disease

Oxidative medicine and cellular longevity (January 2017)

Thirunavukkarasu Velusamy, Archana S Panneerselvam, Meera Purushottam, Muthuswamy Anusuyadevi, Pramod Kumar Pal, Sanjeev Jain, Musthafa Mohamed Essa, Gilles J Guillemin, Mahesh Kandasamy

40. NPM-ALK Mediated Tyrosine Phosphorylation of ATP Citrate Lyase Regulates Lipid Metabolism and Promotes Oncogenesis of Anaplastic Large Cell Lymphoma

Blood, The Journal of the American Society of Hematology (December 2015)

Johnvesly Basappa, Mahmoud A ElAzzouny, Delphine CM Rolland, Thirunavukkarasu Velusamy, Steven Hwang, Venkatesha Basrur, Kevin Conlon, Lili Zhao, Nathanael G Bailey, Charles F Burant, Kojo SJ Elenitoba-Johnson, Megan S Lim

39. Integrated phosphoproteomic and genomic analyses reveal recurrent mutations of JAK-STAT axis in mycosis fungoides and Sézary syndrome

Journal Of Molecular Diagnostics (September 2015)

MJ Kiel, NG Bailey, D Rolland, AA Sahasrabudde, Velusamy T, BL Betz, AC Hristov, YK Jeon, DR Huebner-Chan, DW Bahler, RN Miranda, LJ Medeiros, MS Lim, KS Elenitoba-Johnson

38. Genomic analyses reveal recurrent mutations in epigenetic modifiers and the JAK-STAT pathway in Sézary syndrome

Nature communications (September 2015)

Mark J Kiel, Anagh A Sahasrabudde, Delphine CM Rolland, Thirunavukkarasu Velusamy, Fuzon Chung, Matthew Schaller, Nathanael G Bailey, Bryan L Betz, Roberto N Miranda, Pierluigi Porcu, John C Byrd, L Jeffrey Medeiros, Steven L Kunkel, David W Bahler, Mega

37. Oncogenic Y641 mutations in EZH2 prevent Jak2[?]-TrCP-mediated degradation

Oncogene (January 2015)

AA Sahasrabudde, X Chen, F Chung, Thirunavukkarasu Velusamy, MS Lim, KSJ Elenitoba-Johnson

36. Oncogenic Y641 mutations in EZH2 prevent Jak2/beta-Trcp-mediated degradation in germinal center-derived B-cell lymphomas

European Journal of Cancer (January 2015)

A Sahasrabudde, X Chen, F Chung, Velusamy T, MS Lim, KSJ Elenitoba-Johnson

35. Novel Gene Translocations Involving TYK2 in Cutaneous CD30-Positive Lymphoproliferative Disorders

Blood, The Journal of the American Society of Hematology (December 2014)

Thirunavukkarasu Velusamy, Mark J Kiel, Anagh A Sahasrabudde, Delphine CM Rolland, Catherine A Dixon, Nathanael G Bailey, Bryan L Betz, Noah A Brown, Alexandra C Hristov, Ryan A Wilcox, Roberto N Miranda, L Jeffrey Medeiros, Yoon K Jeon, Megan S Lim, Koj

34. A Novel Non-Canonical Phosphodegron Regulates EZH2 Proteasomal Degradation and H3K27 Trimethylation Activity in Hematopoietic Malignancies

Blood, The Journal of the American Society of Hematology (December 2014)

Anagh A Sahasrabudde, Xiaofei Chen, Thirunavukkarasu Velusamy, Fuzon Chung, Megan S Lim, Kojo SJ Elenitoba-Johnson



33. A novel recurrent NPM1-TYK2 gene fusion in cutaneous CD30-positive lymphoproliferative disorders

Blood, The Journal of the American Society of Hematology (December 2014)

Thirunavukkarasu Velusamy, Mark J Kiel, Anagh A Sahasrabudde, Delphine Rolland, Catherine A Dixon, Nathanael G Bailey, Bryan L Betz, Noah A Brown, Alexandra C Hristov, Ryan A Wilcox, Roberto N Miranda, L Jeffrey Medeiros, Yoon K Jeon, Kedar V Inamdar, Me

32. Curcumin Supplementation Causes PTEN Inhibition in Liver and Lowers Blood Glucose, Oxidative Stress and Markers of Endothelial Dysfunction and Vascular Inflammation in ZDF Rats

Free Radical Biology and Medicine (November 2014)

Sushil Jain, Thirunavukkarasu Velusamy, Justin Rains, Jennifer Croad

31. Integrated genomic sequencing reveals mutational landscape of T-cell prolymphocytic leukemia

Blood, The Journal of the American Society of Hematology (May 2014)

Mark J Kiel, Thirunavukkarasu Velusamy, Delphine Rolland, Anagh A Sahasrabudde, Fuzon Chung, Nathanael G Bailey, Alexandra Schrader, Bo Li, Jun Z Li, Ayse B Ozel, Bryan L Betz, Roberto N Miranda, L Jeffrey Medeiros, Lili Zhao, Marco Herling, Megan S Lim

30. SCF-1-PP1CB-ES Ubiquitin Ligase-Mediated Proteolysis Of EZH2 Regulates H3K27 Trimethylation Activity In Germinal Center-Derived B-Cell Lymphomas

Blood, The Journal of the American Society of Hematology (November 2013)

Anagh A Sahasrabudde, Xiaofei Chen, Fuzon Chung, Thirunavukkarasu Velusamy, Megan S Lim, Kojo SJ Elenitoba-Johnson

29. Recurrent reciprocal RNA chimera involving YPEL5 and PPP1CB in chronic lymphocytic leukemia

Proceedings of the National Academy of Sciences (PNAS) (February 2013)

Thirunavukkarasu Velusamy, Nallasivam Palanisamy, Shanker Kalyana-Sundaram, Anagh Anant Sahasrabudde, Christopher A Maher, Daniel R Robinson, David W Bahler, Timothy T Cornell, Thomas E Wilson, Megan S Lim, Arul M Chinnaiyan, Kojo SJ Elenitoba-Johnson

28. Regulation of airway and alveolar epithelial cell apoptosis by p53-Induced plasminogen activator inhibitor-1 during cigarette smoke exposure injury

American journal of respiratory cell and molecular biology (October 2012)

Shwetha K Shetty, Yashodhar P Bhandary, Amarnath S Marudamuthu, Daniel Abernathy, Thirunavukkarasu Velusamy, Barry Starcher, Sreerama Shetty

27. Whole-genome sequencing identifies recurrent somatic NOTCH2 mutations in splenic marginal zone lymphoma

Journal of Experimental Medicine (August 2012)

Mark J Kiel, Thirunavukkarasu Velusamy, Bryan L Betz, Lili Zhao, Helmut G Weigelin, Mark Y Chiang, David R Huebner-Chan, Nathanael G Bailey, David T Yang, Govind Bhagat, Roberto N Miranda, David W Bahler, L Jeffrey Medeiros, Megan S Lim, Kojo SJ Elenitoba

26. Effects of high glucose and ketosis (acetoacetate, ss-hydroxybutyrate) on PAI-1 secretion in human umbilical vascular endothelial cells

Clinical and Applied Thrombosis/Hemostasis (June 2011)

Thirunavukkarasu Velusamy, Sushil K Jain

25. Post-transcriptional regulation of plasminogen activator inhibitor Type-1 expression in human pleural mesothelial cells

American journal of respiratory cell and molecular biology (September 2010)

Sreerama Shetty, Thirunavukkarasu Velusamy, Rashmi S Shetty, Amarnath S Marudamuthu, Shwetha K Shetty, Galina Florova, Torry Tucker, Kathy Koenig, Praveenkumar Shetty, Yashodhar P Bhandary, Steven Idell

24. Chromium dinicocysteinate supplementation can lower blood glucose, CRP, MCP-1, ICAM-1, creatinine, apparently mediated by elevated blood vitamin C and adiponectin and inhibition of NF κ B, Akt, and Glut-2 in livers of zucker diabetic fatty rats

Molecular nutrition & food research (September 2010)

Chromium dinicocysteinate supplementation can lower blood glucose, CRP, MCP-1, ICAM-1, creatinine, apparently mediated by elevated blood vitamin C and adiponectin and inhibition of NF κ B, Akt, and Glut-2 in livers of zucker diabetic fatty rats Sushil K Jain



23. Induction of tissue factor by urokinase in lung epithelial cells and in the lungs

American journal of respiratory and critical care medicine (March 2010)

Sreerama Shetty, Yashodhar P Bhandary, Shwetha K Shetty, Thirunavukkarasu Velusamy, Praveenkumar Shetty, Khalil Bdeir, Margaret R Gyetko, Douglas B Cines, Steven Idell, Pierre F Neuenschwander, Clemens Ruppert, Andreas Guenther, Edward Abraham, Rashmi S S

22. Urokinase receptor expression involves tyrosine phosphorylation of phosphoglycerate kinase

Molecular and cellular biochemistry (February 2010)

Praveenkumar Shetty, Thirunavukkarasu Velusamy, Yashodhar P Bhandary, Ming C Liu, Sreerama Shetty

21. Posttranscriptional regulation of uPAR expression in lipopolysaccharide-induced acute lung injury

American journal of respiratory and critical care medicine (November 2009)

Yashodhar P Bhandary, Thirunavukkarasu Velusamy, P Shetty, RS Shetty, Steven Idell, Douglas B Cines, Deepika Jain, Khalil Bdeir, E Abraham, Y Tsuruta

20. L-Cysteine supplementation lowers blood glucose, CRP, MCP-1 and inhibits NFkB and Akt activation in liver of Zucker diabetic rats

The FASEB Journal (June 2009)

Sushil K Jain, Thirunavukkarasu Velusamy, Justin Rains, JL Croad, R Bull

19. Post-transcriptional regulation of urokinase-type plasminogen activator receptor expression in

lipopolysaccharide-induced acute lung injury

American journal of respiratory and critical care medicine (February 2009)

Yashodhar P Bhandary, Thirunavukkarasu Velusamy, Praveenkumar Shetty, Rashmi S Shetty, Steven Idell, Douglas B Cines, Deepika Jain, Khalil Bdeir, Edward Abraham, Yuko Tsuruta, Sreerama Shetty

18. Gastroprotective Effect of Fenugreek Seeds (Trigonella foenum graecum) on Experimental Gastric Ulcer in

Rats

Journal of herbs, spices & medicinal plants (October 2008)

Velusamy Thirunavukkarasu, Carani Venkataraman Anuradha

17. Urokinase expression by tumor suppressor protein p53: a novel role in mRNA turnover

American journal of respiratory cell and molecular biology (September 2008)

Praveenkumar Shetty, Thirunavukkarasu Velusamy, Yashodhar P Bhandary, Rashmi S Shetty, Ming-Cheh Liu, Sreerama Shetty

16. Regulation of plasminogen activator inhibitor-1 expression by tumor suppressor protein p53

Journal of Biological Chemistry (July 2008)

Sreerama Shetty, Praveenkumar Shetty, Steven Idell, Thirunavukkarasu Velusamy, Yashodhar P Bhandary, Rashmi S Shetty

15. Posttranscriptional regulation of urokinase receptor expression by heterogeneous nuclear ribonuclear

protein C

Biochemistry (June 2008)

Thirunavukkarasu Velusamy, Praveenkumar Shetty, Yashodhar P Bhandary, Ming-Cheh Liu, Sreerama Shetty

14. Regulation of urokinase receptor expression by p53: novel role in stabilization of uPAR mRNA

Molecular and cellular biology (June 2007)

Sreerama Shetty, Thirunavukkarasu Velusamy, Steven Idell, Praveenkumar Shetty, Andrew P Mazar, Yashodhar P Bhandary, Rashmi S Shetty

13. Regulation of urokinase receptor expression by protein tyrosine phosphatases

American Journal of Physiology-Lung Cellular and Molecular Physiology (October 2006)

Sreerama Shetty, Thirunavukkarasu Velusamy, Steven Idell, Hua Tang, Praveen Kumar Shetty

12. Taurine modifies insulin signaling enzymes in the fructose-fed insulin resistant rats

Diabetes & metabolism (September 2005)

AT Anitha Nandhini, Thirunavukkarasu Velusamy, CV Anuradha

11. Taurine prevents fructose-diet induced collagen abnormalities in rat skin

Journal of Diabetes and its Complications (September 2005)

Thirugnanam Anitha Nandhini, Thirunavukkarasu Velusamy, Mambakkam Katchapeswaran Ravichandran, Carani Venkataraman Anuradha



10. Lipoic acid improves glucose utilisation and prevents protein glycation and AGE formation

Die Pharmazie-An International Journal of Pharmaceutical Sciences (September 2005)
Thirunavukkarasu Velusamy, AT Anitha Nandhini, CV Anuradha

9. Lipoic acid prevents collagen abnormalities in tail tendon of high fructose fed rats

Diabetes, Obesity and Metabolism. 2005 May;7(3):294-7. (April 2005)
Thirunavukkarasu V, Nandhini AT, Anuradha CV

8. Effect of taurine on biomarkers of oxidative stress in tissues of fructose-fed insulin-resistant rats

Singapore medical journal (February 2005)
ATA Nandhini, Thirunavukkarasu Velusamy, MK Ravichandran, CV Anuradha

7. Cardiac lipids and antioxidant status in high fructose rats and the effect of lipoic acid

Nutrition, Metabolism and Cardiovascular Diseases, 14(6), pp.351-357. (December 2004)
Thirunavukkarasu Velusamy, AT Anitha Nandhini, CV Anuradha

6. Lipoic acid attenuates hypertension and improves insulin sensitivity, kallikrein activity and nitrite levels in high fructose-fed rats

Journal of Comparative Physiology B, 174, pp.587-592. (September 2004)
V Thirunavukkarasu, AT Anitha Nandhini, CV Anuradha

5. Stimulation of glucose utilization and inhibition of protein glycation and AGE products by taurine

Acta Physiologica Scandinavica, 181(3), pp.297-303. (July 2004)
ATA Nandhini, V Thirunavukkarasu, CV Anuradha

4. Influence of lipoic acid on lipid peroxidation and antioxidant defence system in blood of insulin resistant rats

Diabetes, Obesity and Metabolism, 6(3), pp.200-207. (May 2004)
V Thirunavukkarasu, CV Anuradha

3. Potential role of kinins in the effects of taurine in high-fructose-fed rats

Canadian journal of physiology and pharmacology, 82 (1), pp.1-8. (January 2004)
AT Anitha Nandhini, V Thirunavukkarasu, CV Anuradha

2. Protective effect of fenugreek (Trigonella foenum graecum) seeds in experimental ethanol toxicity

Phytotherapy Research, 17(7), pp.737-743. (August 2003)
V Thirunavukkarasu, CV Anuradha, P Viswanathan

1. Influence of 6-week exercise training on erythrocyte and liver antioxidant defense in hyperinsulinemic rats

Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology, 135(1), pp.31-37. (May 2003)
Thirunavukkarasu Velusamy, SD Balakrishnan, MK Ravichandran, CV Anuradha

Books/Chapters - 3

3. Drug Repurposing for Hematological Malignancies

Antony Anista Michael, Pavithra Balakrishnan, and Thirunavukkarasu Velusamy (February 2023)
Antony Anista Michael, Pavithra Balakrishnan, Thirunavukkarasu Velusamy

2. Calcium signaling and cancer homeostasis

AkiNik publications, 2021 (January 2021)
Dr.V.Thirunavukkarasu

1. Can Mandated BCG Vaccine Promote herd Immunity against Novel Coronavirus? A Potential Solution at Hand to Tackle Covid-19 Pandemic

Current Immunology Reviews (December 2020)
Ashok Arasu, Pavithra Balakrishnan, Thirunavukkarasu Velusamy, Thiagarajan Ramesh

National Journals - 3

3. Taurine prevents collagen abnormalities in high fructose-fed rats

Indian Journal of Medical Research (August 2005)
AT Anitha Nandhini, Thirunavukkarasu Velusamy, CV Anuradha



2. Effect of γ -lipoic acid on lipid profile in rats fed a high-fructose diet

Experimental Diabetes Research, 5(3), p.195. (June 2004)
V Thirunavukkarasu, AT Anitha Nandhini, CV Anuradha

1. Lipoic acid restores antioxidant system in tissues of hyperinsulinaemic rats

Indian Journal of Medical Research, 118, pp.134-140. (September 2003)
V Thirunavukkarasu, AT Anitha Nandhini, CV Anuradha

Patents

Granted - 4

1. RNA Chimeras in human leukemia and lymphoma 11-2014 9657350 Kojo Elenitoba-Johnson, Thirunavukkarasu Velusamy, Nallasivam Palanisamy, Anagh Sahasrabuddhe, Megan Lim, Arul Chinnaiyan
2. Methods and Biomarkers for detection and treatment of mature T- cell Leukemia. 02-2015 14459928 Kojo Elenitoba-Johnson, Mark J. Kiel, Thirunavukkarasu Velusamy, Anagh Sahasrabuddhe, Delphine Rolland, Megan Lim
3. Methods and Biomarkers for detection of Lymphoma 01-2014 13931177 Kojo Elenitoba-Johnson, Mark J. Kiel, Thirunavukkarasu Velusamy, Bryan L Betz, Megan Lim
4. Recurrent gene fusions in cutaneous CD30- positive lymphoproliferative disorders. 03-2020 US10590488 Kojo Elenitoba-Johnson, Mark J Kiel, Delphine Rolland, Bryan L Betz, Nathanael G Bailey, Thirunavukkarasu Velusamy, Megan Lim.

Filed - 2

1. Oncogenic TYK2 Gene fusions in Cancer 01-1970 - Kojo Elenitoba-Johnson, Thirunavukkarasu Velusamy, Mark J. Kiel, Anagh Sahasrabuddhe, Delphine Rolland, Megan Lim
2. Nanocomposite for targeted delivery of 2-Deoxy-D-Glucose (2-DG) 01-1970 202441046753 Dr. Thirunavukkarasu Velusamy, Dr. H.C. Manjunatha, Dr. Y.S. Vidya, Dr. S. Manjunatha, S. Emily Jenifer, Pavithra Balakrishnan, Antony Anista Michael, Priyadarshini Tamilzhmani

Projects

Completed - 3

1. Role of Notch2 in cancer and Immunity DBT 32.5 L (June 2016 - April 2022)
2. Development of strip-based biosensor kit to diagnose dengue infections at early age RUSA 2.0 - BEICH 8 L (February 2020 - August 2020)
3. Translational Genomics and Proteomics in cancer RUSA 2.0 - BCTRC 14.88 L (January 2024 - December 2024)

Ongoing - 4

1. of Preclinical evaluation of ATRA-RAMBA retinamides in retinoid-based therapy or colorectal cancer-
2. Functional repair of mutant RB1 by CRISPR-mediated gene editing in retinal tumor cells of bilateral RB patients Investigational study DS1 - SERB 29.14 L (October 2023 - October 2026) ICMR 58.25L (January 2025 - January 2028)
3. Development Of Aldh1 Functionalized Nanoparticle Loaded with All-Trans Retinoic Acid and Talarozole for Targeting Colorectal Cancer Cells by Differentiation - An Investigational Study CMRG 20.3L (December 2024 - December 2027)
4. CD96-targeted therapeutics: Novel strategies to combat leukemic stem cells induced relapse in acute myeloid leukemia CMRG 32.8 (July 2025 - July 2028)