




# Bharathiar University

State University | "A++" Grade by NAAC | 26<sup>th</sup> Rank in MoE-NIRF  
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

<p><b>Dr V THIRUNAVUKKARASU</b> Associate Professor Department of Biotechnology Bharathiar University</p> <p>Tamil Nadu <b>E-mail:</b> thirunavukkarasu@buc.edu.in <b>Phone:</b> 9940268381 <b>Office Number:</b></p>	
<p><b>Research Area</b></p> <ul style="list-style-type: none"> <li>• Cancer Genetics and Proteomics</li> <li>• Signal Transduction</li> <li>• Cancer Therapeutics</li> <li>• Infectious Diseases</li> </ul>	<p><b>Courses Teaching</b></p> <ul style="list-style-type: none"> <li>• Biochemistry</li> <li>• Pharmaceutical Biotechnology</li> <li>• Molecular Diagnostics &amp; Clinical Testing</li> <li>• Animal Biotechnology</li> </ul>
<p><b>Research Experience:</b> 25</p>	<p><b>Teaching Experience:</b> 9</p>
<p><b>Research Credentials</b> (as on February 2024 – Source: Google scholar) H-index: 28                      Citations: 2929                      i10-index: 39</p>	
<p><b>Patents :</b>                                      Granted: 4 Filed: 1</p>	
<p><b>Publications</b> Books/Chapters: 2                                      International Journals: 8                                      National Journals: 2</p>	
<p><b>Career</b></p> <p><b>Other Institutes</b></p> <p><b>1. Designation : Post Doctoral Fellow</b> Institution Name : Department of Pathology, University of Michigan, Michigan, USA Period : October 2009 - January 2015</p> <p><b>2. Designation : Post Doctoral Fellow</b> Institution Name : The University of Texas Health center at Tyler, Texas, USA. Period : May 2005 - August 2008</p> <p><b>3. Designation : Post Doctoral Fellow</b> Institution Name : Senior Scientist, Sri Ramachandra Medical University, Chennai Period : March 2015 - March 2016</p> <p><b>4. Designation : Post Doctoral Fellow</b> Institution Name : Department of Pediatrics, Louisiana State University Health Sciences Center Shreveport, USA Period : August 2008 - September 2009</p> <p><b>5. Designation : Assistant Professor</b> Institution Name : DBT-Ramalingaswami Fellow/Senior Assistant Professor, Department of Animal Science, Bharathidasan University, Tiruchirappalli Period: April 2016 - November 2016</p> <p><b>At Bharathiar University</b></p> <p><b>1. Designation : Associate Professor</b> Period : November 2024 - Till Date</p>	
<p><b>Education</b></p> <p><b>Ph. D.</b> Subject : Biochemistry Institution : Annamalai University Affiliated University : Annamalai University Year of Award : February 2005</p>	



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Dr V THIRUNAVUKKARASU , Associate Professor , Department of Biotechnology

## 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 - 2 completed - 2

## Research Guidance

### Completed

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

### On Going

Ph.D. - 4

## 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 Qaboos University - )

## Publications

### Books/Chapters - 2

#### 2. Drug Repurposing for Hematological Malignancies

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

Antony Anista Michael, Pavithra Balakrishnan, Thirunavukkarasu Velusamy

#### 1. Calcium signaling and cancer homeostasis

AkiNik publications, 2021 (January 2021)

Dr.V.Thirunavukkarasu

### International Journals - 8

#### 8. 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

#### 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

### National Journals - 2

#### 2. Effect of $\alpha$ -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 - 1

1. Oncogenic TYK2 Gene fusions in Cancer 01-1970 - Kojo Elenitoba-Johnson, Thirunavukkarasu Velusamy, Mark J. Kiel, Anagh Sahasrabuddhe, Delphine Rolland, Megan Lim

### Projects

#### Completed - 2

1. Role of Notch2 in cancer and Immunity Others 32.5 L (June 2016 - April 2022)
2. RUSA 2.0 BEICH Others 8 L (February 2020 - August 2020)

#### Ongoing - 2

1. RUSA 2.0 BCTRC Others 14.88 L (January 2024 - December 2024)
2. DST-SERB-SURE DST – SERB 29.14 L (October 2023 - October 2026)