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Academic Qualifications

- Ph.D., Biochemistry, Ph.D., IISc,
- M.Sc., Medical Biochemistry, JIPMER, India
- B.Sc., Chemistry, University of Madras, India

Teaching Experience

- Aug 2014- Present Professor, Dept. of Biomedical Science, Bharathidasan University
- Aug 2011- Aug 2014 Assoc. Prof, Dept. of Biomedical Science, Bharathidasan University
- Aug 2008- Aug 2011 Reader, Dept. of Biomedical Science, Bharathidasan University

Research Experience (28 Years)

- May 2001- July 2008 Senior Research Fellow, Department of DEM, BRI, CA, USA.
- Oct -1999-April 2001 Post doc. Associate, Dept. of Neuroscience, Rutgers University, NJ, USA

- June 1996-July 1999 Post doc. fellow, Inst. of Mol. Bio, Academia Sinica, Taipei, Taiwan

Areas of Research

- Cellular and Molecular Mechanisms of accelerated cardiovascular in diabetes.
- In vivo gene transcription mechanisms, Post-translational regulation and MicroRNAs

Research Supervision / Guidance

Program	Completed	Ongoing
Ph. D.	6	1
M. Sc.	35	

Publications

Cumulative Impact Factor (as per JCR)	3.94
h-index	14
i10 index	3
Total Citations	2108

List of Publications (2019-2024)

1. Sundaramoorthy A , Hemachandran K and **Shanmugam N**. ACE2 Gene Polymorphisms Associated with COVID-19 Infection Susceptibility to Cardiovascular Disease Clinical Case Reports International - Biomedical Science 20 Jun, 2022| Volume 6 | Article 1349
2. Sundaramoorthy A, Jafar Ali D, **Shanmugam N**. Inflammatory gene silencing in activated monocytes by a cholesterol tagged-miRNA/siRNA: a novel approach to ameliorate diabetes

induced inflammation. *Cell Tissue Res.* 2022 Aug;389(2):219-240. doi: 10.1007/s00441-022-03637-6. Epub 2022 May 23. PMID: 35604451.

3. Natarajan K, Sundaramoorthy A, **Shanmugam N**. HnRNPK and lysine specific histone demethylase-1 regulates IP-10 mRNA stability in monocytes. *Eur J Pharmacol.* 2022 Apr 5;920:174683. doi: 10.1016/j.ejphar.2021.174683. Epub 2021 Dec 13. PMID: 34914972.
4. Shanmugam G, Sundaramoorthy A, **Shanmugam N**. Biosynthesis of Silver Nanoparticles from Leaf Extract of *Salvia coccinea* and Its Effects of Anti-inflammatory Potential in Human Monocytic THP-1 Cells. *ACS Appl Bio Mater.* 2021 Dec 20;4(12):8433-8442. doi: 10.1021/acsabm.1c00963. Epub 2021 Nov 15. PMID: 35005949.
5. Sudaramoorthy A, Shanmugam G, **Shanmugam N**. Inhibitory effect of *Salvia coccinea* on inflammatory responses through NF- κ B signaling pathways in THP-1 cells and acute rat diabetes mellitus. *Acta Histochem.* 2021 Jul;123(5):151735.

Additional Responsibilities

- Head, Dept. of Biomedical Science, Bharathidasan University
- Chair, School of Basic Medical Science, Bharathidasan University

Funded Research Projects

- Completed Projects: 5

Distinctive Achievements / Awards

- 2017 - Fellow of Indian Association of Biomedical Scientist (FABMS)
- 2014 - Biomedicine article was selected as Best article of the year IABMS
- 2011 - Elected International Fellow of American Heart Association. (FAHA)
- 2008 - JBC research article was selected as "Article of the Week" by JBC Editorial Board