



Name : **Narkunaraja SHANMUGAM**
Designation : **Professor**
Address : Department of Biomedical Science
Bharathidasan University Tiruchirappalli-24
Tamil Nadu, INDIA
Employee Number : BDU1650898
Date of Birth : 11-05-1965

Contact

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Academic Qualifications: M.Sc, PhD

Ph.D., Dept. of Biochemistry, Ph.D., Dept. of Biochemistry, Indian Institute of Science India (1990-1996)
M.Sc., Medical Biochemistry, JIPMER, India (1986-1989)
B.Sc., Chemistry, University of Madras, India (1982-1985)

Teaching Experience: 15 years

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, Trichy-24

Research Experience: 28 years

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,
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 of Study		Completed	Ongoing
Research	PhD	6	1
Project	M.Sc	35	6

Publication

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

Additional Responsibility

- 1.Head (Sep 2011- June 2019) Dept. of Biomedical Science, Bharathidasan University,
2. Chair (2015-2018) School of Basic Medical Science, Bharathidasan University
3. Governance Body member Nehru Memorial College, Manachanallur, Trichy.(2018-19)
4. University Representative, Academic council : JJ College Art and Science, Pudukottai (2018-21)
5. University Representative, Academic council : Govt. College for Women, Kumbakonam (2018-21)
6. University Representative, Academic council :Srimad Andavan Arts and Science college, Trichy-5 11-05-2018 to 10-05-2021
7. Member BoS member Dept. of Endocrinology, Madras Univesity
8. Member University IQAC committee :Bharathidasan University (2017- 2019)
9. University Representative Selection board member, Rajahs College, Thiruvaiyaru
10. Member University NAAC committee 2017- 2019
11. University Representative Selection board member, Urumu Dhanalakshmi college,
12. University Representative, Academic council : Nehru Memorial College, (2015- 17)

13. University Representative Hon Rajah College, Pudukottai (2013-15)
14. University Representative Bishop Heper college, Trichy (2012-14)
15. Governance Body member ADM Women's college, Nagapattam (2012-14)
16. One man committee To evaluate Diploma course in Sakthi Hospital, Lalgudi.

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Book/Chapters/Manuals
24	37	0	17	1

List of Publications (2019-24)

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. 28. 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. 27. 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. 26. 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/acsbm.1c00963. Epub 2021 Nov 15. PMID: 35005949.
5. 25. 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.

Funded Research Projects

Completed Projects:

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	DBT	2010	2013	MDA induced proinflammatory effect on Lymphocyte-A proteomic approach	27.77
2	DBT	2011	2014	Selective gene silencing using miR16 in Diabetic atherosclerosis	64.86
3	DST	2010	2013	High glucose induced proinflammatory gene expression in Lymphocytes	36.88
4	DBT	2011	2014	Ligation of RAGE induced IP-10 mRNA regulation in leukocytes	44.76
5	DST	2014	2016	S100B-derived RAGE antagonistic/inhibitory peptide	12.00

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.
- 1992-96 Senior Research Fellow U.G.C Govt. of India
- 1990-92 Junior Research Fellow U.G.C Govt. of India
- 1986-89 Best Post-graduate Alumni JIPMER (in M.Sc.)
- 1986-89 Rameshwardasji Birla Smarak Kosh Scholar (in M.Sc.)