

Dr. Srinivasan Narasimhan

Professor
Faculty of Allied Health Sciences
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(CARE)



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Qualifications:

Ph.D.: Dept. of Endocrinology, University of Madras. 1985
M.Phil.: Dept. of Endocrinology, University of Madras. 1978
M.Sc.: Zoology, Presidency college, Chennai. 1976

Research Interests:

Endocrinology, Bone metabolism, *in vitro* & *in vivo* experimental and clinical Research.

Post-Doc / Work Experience:

2014 – Present: Professor, Chettinad Academy of Research & Education, Kelambakkam,
Chennai 603 103, INDIA
1998 – 2012: Professor, University of Madras, Chennai, TN
1992 – 1998: Reader, University of Madras, Chennai, TN
1986 – 1992: Lecturer, University of Madras, Chennai, TN
1982 – 1986: Asst. Prof., Director of Collegiate Education, Govt. of Tamil Nadu. TN.

Summary of Research:

No. of Publications	60	Citations	1520	h-index	21
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Publications:

1. Polychlorinated biphenyl (PCBs)-induced oxidative stress plays a role on vertebral antioxidant system: Ameliorative role of vitamin C and E in male Wistar rats. *Biomed Prev Nutr* (2014), Karthikeyan S, Sridhar M, Ramajayam G, Lavanya R, Arunakaran J, **Srinivasan N** <http://dx.doi.org/10.1016/j.bionut.2014.04.004>

2. Effect of Statins with α -Tricalcium Phosphate on Proliferation, Differentiation, and Mineralization of Human Dental Pulp Cells (2013) Varalakshmi PR, Kavitha M, Ramajayam G, and **Srinivasan N** *J Endod* :1-7

3. Di 2-Ethyl Hexyl Phthalate Affects differentiation and matrix mineralization of rat calvarial osteoblasts – in vitro (2013) Bhat FH , Ramajayam G, Parameswari S, Vignesh RC,

Karthikeyan S, Senthilkumar K, Karthikeyan GD, Balasubramanian K, Arunakaran J, **Srinivasan N** *Toxicology in Vitro* 27 : 250–256 I.F= 2.7

4. Age related changes in serum insulin-like growth factor –II and its binding proteins correlate with calcaneal bone mineral density among post-menopausal South-Indian women(2012) Sittadjody S, Ilangovan R, Thilakavathy T, Vignesh RC, Veni S, Bertoni AG, Srinivasan S, Subramanian C, and **Srinivasan N** *CLINICA CHIMICA ACTA* 414:281-288 I.F 2.8

5. Regulation of Insulin-like growth factors and their binding proteins by thyroid stimulating hormone in human osteoblast-like (SaoS2) cells (2012) Ramajayam G, Vignesh RC, Karthikeyan S, Senthilkumar K, Karthikeyan GD, Veni S, Sridhar M Arunakaran J, Aruldhas MM, **Srinivasan N** *Molecular and Cellular Biochemistry* DOI 10.1007/s11010-012-1345-4 (IF=2.057)

6. Synthesis, characterization and biological action of nano-bioglass ceramic particles for bone formation(2012). Moorthi A, Saravanan S, Srinivasan N, Partridge NC, Zhu J, Qin L and Selvamurugan N. *Journal of Biomaterials and Tissue Engineering* 2 197-205

7. Androgen receptor expression in human thyroid cancer tissues: A potential mechanism underlying the gender bias in the incidence of thyroid cancer(2012) Stanley JA, Aruldhas MM, Chandrasekaran M, Neelamohan R, Suthagar E, Annapoorna K, Sharmila S, Jayakumar J, Jayaraman G, **Srinivasan N**, Banu SK *Journal of Steroid Biochemistry & Molecular Biology* **130** 105-124(IF=2.866)

8. Synthesis, characterization, and antimicrobial activity of nano-hydroxyapatite zinc for bone tissue engineering applications (2012) Swetha M Sahithi K, Moorthi A, Saranya N, Saravanan S, Ramasamy K, **Srinivasan N** and Selvamurugan N *J Nanosci Nanotechnol* **1**: 167 – 172 ISSN 1533-4880 I.F=7.5

9. *Cissus quadrangularis* augments IGF system components in human osteoblast like SaOS-2 cells (2011) Sridhar M, Ilangovan R, Senthilkumar K Ramajayam G, and **Srinivasan N** *Growth Hormone and IGF Research* **21** 343–348 I.F 2.8

10. Effects of *Cissus quadrangularis* on the Proliferation, Differentiation and Matrix Mineralization of Human Osteoblast Like SaOS-2 Cells (2011) Muthusami S, Senthilkumar K, Vignesh RC, Ilangovan R, Stanley J, Selvamurugan N and **Srinivasan N** *J Cellular Biochemistry* **112** 1035-1045 ISSN: 0730-2312 I.F=3.122

11. Biocomposites containing natural polymers and hydroxyapatite for bone tissue engineering (2010) Swetha M, Sahithi K, Moorthi A, **Srinivasan N**, Ramasamy K, and Selvamurugan N *INT J BIOLOGICAL MACROMOLECULES* **47** 1-4 ISSN: 0141-8130 I.F=2.502

12. Synthesis and Characterization of Nanoscale-Hydroxyapatite-Copper for Antimicrobial Activity Towards Bone Tissue Engineering Applications(2010) Sahithi K, Swetha M, Prabakaran M, Moorthi A, Saranya N, Ramasamy K, **Srinivasan N**, Partridge NC, and Selvamurugan N *J BIOMEDICAL NANOTECHNOL* **6** 333-339 ISSN: 1550-7033 I.F=2.626

13. Polymeric composites containing carbon nanotubes for bone tissue engineering (2010) Sahithi K Swetha M, Ramasamy K, **Srinivasan N** and Selvamurugan N *Int J Biol Macromol* **46** 281-283 ISSN 0141-8130 I.F=2.453

14. Osteoblast response to commercially available demineralized bone matrices- An in-vitro study (2010). Thangakumaran S, Arun KV, Sabitha Sudarsan, Avaneenadra Talwar, **Srinivasan N** *Indian J.Dent. Res* **21** 3-9 I.F= 0.665

15. Dihydrotestosterone is a determinant of calcaneal bone mineral density in men (2009). Ilangovan R, Sittadjody S, Balaganesh M, Sivakumar R, Ravi Sankar B, Balasubramanian K, Srinivasan S, Subramanian C, Thompson DM, Queimado L and **Srinivasan N** (2009). *Journal of Steroid Biochemistry & Molecular Biology* **117** 132-138 ISSN: 0960-0760 I.F= 2.886

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17. Mitogen activated protein kinase-dependent inhibition of osteocalcin gene expression by transforming growth factor β 1 (2009) Kwok S, Partridge NC, **Srinivasan N**, Nair SV and Selvamurugan N (2009) *J Cellular Biochemistry*, **106** 161-169 ISSN: 0730-2312 I.F= 3.122

18. Protective role of melatonin on PCB (Aroclor 1254) induced oxidative stress and changes in acetylcholine esterase and membrane bound ATPases in cerebellum, cerebral cortex and hippocampus of adult rat brain (2008) Venkataraman P, Krishnamoorthy G, Vengatesh G, **Srinivasan N**, Aruldas MM and Arunakaran J *INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE* **26** 585-591 ISSN: 0300-483X I.F=3.215
19. Effects of Aroclor 1254 on femoral bone metabolism in adult male Wistar rats (2007). Ramajayam G, Sridhar M, Karthikeyan S, Lavanya R, Veni S, Vignesh RC, Ilangovan R, Sitta Djody S, Gopalakrishnan V, Arunakaran J, **Srinivasan N** *Toxicology* **241** 99–105 I.F=3.641
20. Modulation of antioxidant defense system by the environmental fungicide carbendazim in Leydig cells of rats (2007) Rajeswary S, Kumarana B, Ilangovan R, Yuvaraj S, Sridhar M, Venkataraman P, **Srinivasan N** and Aruldas MM *REPRODUCTIVE TOXICOLOGY* **24** 371-380 ISSN: 0890-6238 I.F=3.137
21. PCB (Aroclor 1254) enhances oxidative damage in rat brain regions: Protective role of ascorbic acid (2007) Venkataraman P, Muthuvel R, Krishnamoorthy G, Arunkumar A, Sridhar M, **Srinivasan N**, Balasubramanian K, Aruldas MM and Arunakaran J *NEUROTOXICOLOGY* **28** 490-498 ISSN: 0161-813X I.F=2.921
22. Effects of streptozotocin-induced diabetes mellitus on some bone turnover markers in the vertebrae of ovary-intact and ovariectomized adult rats (2006). Gopalakrishnan V, Arunakaran J, Aruldas MM and **Srinivasan N** *Biochemistry and Cell Biology* **84** 728-736 ISSN: 0829-8211 I.F=2.992
23. Effects of glucose and its modulation by insulin and estradiol on BMSC differentiation into osteoblastic lineages (2006). Gopalakrishnan V, Vignesh RC, Arunakaran J, Aruldas MM and **Srinivasan N** *Biochemistry and Cell Biology* **84** 93-101 ISSN: 0829-8211 I.F=2.992
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26. Garlic compound, diallyl disulfide induces cell cycle arrest in prostate cancer cell line PC-3 (2006) Arunkumar A, Vijayababu MR, **Srinivasan N**, Aruldas MM and Arunakaran J *MOLECULAR AND CELLULAR BIOCHEMISTRY* **288** 107-113 ISSN: 0300-8177 I.F=2.168

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33. Antioxidant role of zinc in PCB (Aroclor 1254) exposed ventral prostate of albino rats (2004) Venkataraman P, Sridhar M, Dhanammal S, Vijayababu MR, **Srinivasan N**, Arunakaran J *J Nutritional Biochem* **15** 608-613 **ISSN:** 0955-2863 I.F=4.538
34. Impact of polychlorinated biphenyl (Aroclor 1254) and vitamin C on antioxidant system of rat ventral prostate (2004) Sridhar, M Venkataraman P, Dhanammal S, Arunkumar A, Aruldhas MM, **Srinivasan N** and Arunakaran J *Asian J Androl* **6** 19-22 **ISSN:** 1008-682X I.F=1.549
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43. Interaction of estradiol, progesterone and corticosterone on uterine connective tissue degrading enzymes (1998) Gladson, M, **Srinivasan N**, Malini T, Arunakaran J, Aruldhas MM and Govindarajulu P *ENDOCRINE RESEARCH* **24** 89-103 **ISSN:** 0743-5800 I.F.=1.043
44. Effects of inhibitors of signal transduction on transforming growth factor B1 and osteogenic protein-1 induced insulin-like growth factor binding protein-3 expression in human bone cells (1997). **Srinivasan N**, Baylink DJ, Sampath TK and Mohan S *J Cellular Physiol* **173** 28-35. I.F.=3.986
45. Insulin-like growth factor-binding protein-6 produced by human PC-3 prostate cancer cells: Isolation, characterization and its biological action (1996) **Srinivasan N**, Edwall D, Linkhart TA, Baylink DJ and Mohan S *J Endocrinol* **149** 297-303 **ISSN:** 0022-0795 I.F.=3.099
46. Development, Validation, and application of a radioimmunoassay for Insulin-like growth factor binding protein-5 in human serum and other biological fluids (1995) Mohan S, Libanati C, Dony C, Lang K, **Srinivasan N** and Baylink DJ *J Clin Endocrinol Metab* **80** 2638-2645 IF=5.967
47. Effects of prolactin and androgens on enzymes of carbohydrate metabolism in seminal vesicles of castrated mature Bonnet monkeys,, *Macaca radiata* (1993) Arunakaran J,

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Patents

S. No.	Title	Patent No.	Inventors
1.	A method and development of a nano scaffold for delivery of agents for stem cell differentiation	201741001087	Shoba Narayan, P. Surajit, Rachel Karena, Moorthi A, Srinivasan N , Murugesan R
2.	Polymeric matrix containing metal doped ceramic for tissue engineering	201741001091	Moorthi A, Shoba Narayan, Azeena S, Subhapradha N, Srinivasan N , Murugesan R
3.	Development method and process for the detection of drug resistant water borne pathogens	201741001090	Kurunchi C Divya, Murugesan R, Srinivasan N