Dr. S. SRINIVASAN, Ph.D
Assistant Professor,
Department of Biochemistry,
Government Arts College For women,
Krishnagiri - 635 002
Tamilnadu, India
Mobile: + 91 9894212250
Tel.: +91- 4343 - 225934 (O)

CURRENT POSITION:

- 26-04-2017 - Till Date: working as an Assistant Professor, Department of Biochemistry, Government Arts College For women, Krishnagiri, Tamilnadu, India

EDUCATIONAL PROFILE:

Doctor of Philosophy in BIOCHEMISTRY at Annamalai University, Annamalai Nagar, Chithambaram, Tamilnadu, India (2012).

Master of Philosophy in LIFE SCIENCE at Manonmaniam Sundaranar University, Tamilnadu, India (2003).

Master of Science in BIOCHEMISTRY at University of Madras, Chennai, Tamilnadu, India (1999).

Bachelor of Science in BIOCHEMISTRY at University of Madras, Chennai, Tamilnadu, India (1997).

TEACHING EXPERIENCE: 20 years

TEACHING AREA

Biomolecules

Clinical Biochemistry

Molecular Biology

Enzymology and Enzyme technology

Cell Biology

Intermediary Metabolism

Research Methodology

RESEARCH EXPERIENCE: 14 years

RESEARCH SPECIALIZATION

a) Identification of insulin secretagogues/sensitizers from plant sources

b) Exploring the naturally occurring phytochemicals for intervention (treatment) of diabetes and vascular complications (Atherosclerosis)

RESEARCH PUBLICATIONS: 25 ARTICLES

- Pari L, **Srinivasan S**. Antihyperglycemic effect of diosmin on hepatic key enzymes of carbohydrate metabolism in streptozotocin-nicotinamide-induced diabetic rats. Biomedicine & Pharmacotherapy. 2010;64:477-481. Impact factor -4.5
- Pari L, **Srinivasan** S. Preventive effect of diosmin, a bioflavonoid, on glycoprotein changes in streptozotocin-nicotinamide-induced type 2 diabetic rats. International Journal of Pharmaceutical Sciences and Research. 2010;10:89-95. Impact factor- 0.9
- **Srinivasan S**, Pari L. Ameliorative effect of diosmin, a citrus flavonoid against streptozotocin-nicotinamide generated oxidative stress induced diabetic rats. Chemico Biological Interactions. 2012;195:43-51. Impact factor -3.7
- **Srinivasan S***, Pari L. Antihyperlipidemic effect of diosmin: A citrus flavonoid on lipid metabolism in experimental diabetic rats. Journal of Functional Foods. 2013;5:484-492.Impact factor -3.7
- Murali R, **Srinivasan S**, Ashokkumar N. Antihyperglycemic effect of fraxetin on hepatic key enzymes of carbohydrate metabolism in streptozotocin-induced diabetic rats. Biochimie. 2013;95:1848-1854. Impact factor -3.4
- Muthukumaran J, **Srinivasan S*,** Venkatesan RM, Ramachandran V, Muruganathan U. Antidiabetic effect of syringic acid: Protective role on the levels of glycoprotein components in experimental diabetic rats. Journal of Acute Disease. 2013;4:304-309. Impact factor- 0
- Muruganathan U, **Srinivasan S*,** Indumathi D. Antihyperglycemic effect of carvone: Effect on the levels of glycoprotein components in streptozotocin-induced diabetic rats. Journal of Acute Disease. 2013;4:310-315. Impact factor- 0
- **Srinivasan S***, Sathish G, Jayanthi M, Muthukumaran J, Muruganathan U, Ramachandran V. Eugenol ameliorates glucose homeostasis on attenuating the key enzymes of glucose metabolism in experimental diabetic rats. Molecular and Cellular Biochemistry. 2014:385;159-168. Impact factor -2.7

- **Srinivasan S***, Muthukumaran J, Muruganathan U, Venkatesan RM, Jalaludeen AM."Antihyperglycemic effect of syringic acid onattenuating the key enzymes of carbohydrate metabolism in experimental diabetic rats", Biomedicine & Preventive Nutrition, 2014:4; 595-602. Impact factor -0.5
- Ndacyayisenga Joseph, Anbazhagan M, **Srinivasan S**. In vitro growth of potato plant (In vitro tuberization). International Journal of Current Science 2015;17: 33-59. Impact factor -0.0
- **Srinivasan S***, Muruganathan U. Antidiabetic efficacy of citronellol, a citrus monoterpene by ameliorating the hepatic key enzymes of carbohydrate metabolism in streptozotocin-induced diabetic rats. Chemico Biological Interactions.2016;250: 38-46. Impact factor -3.7
- **Srinivasan S***, Indumathi D, Sujithra K, Muruganathan U. Novel synthesis, characterization and antibacterial activity of silver nanoparticles using leaf extract of *Melothria maderaspatana (linn.) cong*. International Journal of Pharmacy and Pharmaceutical Sciences 2016:8:104-109. Impact factor -0.5
- Muruganathan U, **Srinivasan S*.** Beneficial effect of carvone, a dietary monoterpene ameliorates hyperglycemia by regulating the key enzymes activities of carbohydrate metabolism in streptozotocin-induced diabetic rats. Biomedicine & Pharmacotherapy. 2016;84: 1558-1567. Impact factor -4.5
- Indumathi D, Sujithra K, **Srinivasan S***, Vinothkumar V. Ameliorating effect of betanin, a natural chromoalkaloid by modulating hepatic carbohydrate metabolic enzyme activities and glycogen content in streptozotocin - nicotinamide induced experimental rats. Biomedicine & Pharmacotherapy. 2017;88:1069-1079. Impact factor -4.5
- Babukumar S, Vinothkumar V, Sankaranarayanan C, **Srinivasan S**. Geraniol, a natural monoterpene, ameliorates hyperglycemia by attenuating the key enzymes of carbohydrate metabolism in streptozotocin-induced diabetic rats. Pharmaceutical Biology. 2017;55(1):1442-1449. Impact factor -2.9
- Muruganathan U, **Srinivasan S*,** Vinothkumar V. Antidiabetogenic efficiency of menthol, improves glucose homeostasis and attenuates pancreatic β-cell apoptosis in streptozotocin–nicotinamide induced experimental rats through ameliorating glucose metabolic enzymes. Biomedicine & Pharmacotherapy. 2017;92:229-239.Impact factor -4.5

- Indumathi D, Sujithra K, **Srinivasan S***, Vinothkumar V. Protective effect of betanin against streptozotocin - nicotinamide induced liver, kidney and pancreas damage by attenuating lipid byproducts and improving renal biomarkers in Wistar rats. International journal of advanced research in biological sciences. 2017;4(10):160-170. Impact factor - 0.0
- Muruganathan U, **Srinivasan S***, Vinothkumar V. Menthol Attenuates Hyperglycemia Induced Renal Oxidative Stress Damage via Amending Renal Biomarkers in Streptozotocin-Nicotinamide Induced Experimental Rats. Journal of Diabetes Care & Endocrinology. 2017;1:12-17. Impact factor -0.3
- **Srinivasan S***, Sujithra K, R. Murali, Muruganathan U, Navetha V. Green synthesis and characterization of silver nanoparticles using *Nyctanthes arbortristis Linn* leaf extract and their anti bacterial activity. Focus on Medical sciences.2017;3:4-9. Impact factor-0.5
- Jayaraman R, **Srinivasan S***, Sheik Abdullah SH, Udaiyar M. Antihyperglycemic effect of hesperetin, a citrus flavonoid, extenuates hyperglycemia and exploring the potential role in antioxidant and antihyperlipidemic in streptozotocin-induced diabetic rats. Biomedicine & Pharmacotherapy. 2018;97:98-106. Impact factor -4.5
- Indumathi D, Sujithra K, **Srinivasan S***, Vinothkumar V. Betanin exhibits significant potential as an antihyperglycemic and attenuating the glycoprotein components in streptozotocin - nicotinamide induced experimental rats. Toxicology Mechanisms and Methods. 2018;7:547-554. Impact factor -2.2
- Sujithra K, **Srinivasan S***, Indumathi D, Vinothkumar V. Allyl methyl sulfide, an organosulfur compound alleviates hyperglycemia mediated hepatic oxidative stress and inflammation in streptozotocin-induced experimental rats. Biomedicine & Pharmacotherapy. 2018;107:292-302. Impact factor -4.5
- Sujithra K, **Srinivasan S***, Indumathi D, Vinothkumar V. Allyl methyl sulfide, a garlic active component mitigates hyperglycemia by restoration of circulatory antioxidant status and attenuating glycoprotein components in streptozotocin induced experimental rats. Toxicology Mechanisms and Methods. 2019;29:165-176. Impact factor: 2.2.
- Mahadeva Rao US, Shanmuga Sundaram C, **Srinivasan S**. Gymnemic acid mitigates hyperglycemia by attenuating the hepatic glucose metabolic enzymes in high fat diet fed-low dose streptozotocin- induced experimental rodents. Research Journal of Pharmacy and Technology. 2020;13(2):719-726. Impact factor: 0.5

- Kowsalya R, **Srinivasan S**, Barathi V. Evaluation of the phytochemicals constituent of antioxidant activities in free radical scavenging of *Musaparadisiaca* flowers. Plant Archives. 2020;20 (2) 3627-3633. Impact factor: 0.4 **[*corresponding Author]**

BOOK PUBLICATIONS: 3 BOOK CHAPTERS

1. **Srinivasan S***, Ramachandran V, Murali R, Vinothkumar V, RaajaSubramanian D, Kanagalakshimi A. Biogenic metal nanoparticles and their antimicrobial properties. Nanotechnological Approaches in Food Microbiology, 1st Edition, Chapter 17, CRC Press, Taylor & Francis Group, 2021:9780429342776. https://doi.org/10.1201/9780429342776
2. **Srinivasan S***, Murali R, Vinothkumar V, Ashokkumar N, Paramaguru N, RaajaSubramanian D, Kanagalakshimi A. Perceptions into the COVID-19 pandemic: Current knowledge, pathogenesis, diagnosis, and emerging therapeutics. The COVID-19 Pandemic: Fallout & Recovery, 1st Edition, Chapter 7, Kripa-Drishti Publications, 2020; 2:106-132. ISBN: 978-81-947839-5-4
3. **Srinivasan S*,** Vinothkumar V, Murali R. Antidiabetic efficacy of citrus fruits with special allusion to flavone glycosides. Bioactive Foods as Dietary Interventions for Diabetes 2nd edition, Chapter 22, Academic Press, Elsevier. 2019:335-360. **[*corresponding Author]**

EDITORIAL BOARD MEMBER:7 JOURNALS

- Current Biotechnology
- EC Endocrinology and Metabolic Research
- International Journal of Diabetes: Current Research
- International Journal of Applied Biochemistry
- Insights in Biotechnology and Bioinformatics
- Journal of Diabetes Care & Endocrinology
- SM Journal of Allergy & Therapy

REVIWER IN JOURNALS: 37 JOURNALS

- Archives of Medical Research
- Archives of Physiology and Biochemistry
- Artificial Cells, Nanomedicine, and Biotechnology
- Biomedical and Environmental Sciences
- Biomedicine & Pharmacotherapy
- Bioscience Reports
- Brazilian Archives of Biology and Technology
- Canadian Journal of Physiology and Pharmacology

- Chemico Biological Interactions
- Clinical and Experimental Pharmacology and Physiology
- Critical Reviews in Food Science and Nutrition
- Current Medicinal Chemistry
- Current Pharmaceutical Design
- Drug and Chemical Toxicology
- Evidence-Based Complementary and Alternative Medicine
- European Journal of Integrative Medicine
- European Journal of Nutrition
- Human & Experimental Toxicology
- IET Nanobiotechnology
- International Food Research Journal.
- Indian Journal of Clinical Biochemistry
- International Journal of Biological Macromolecules
- International Journal of Diabetes in Developing Countries
- Journal of Biochemical and Molecular Toxicology
- Journal of Basic and Clinical Physiology and Pharmacology
- Journal of Dietary Supplements
- Journal of Drug Delivery Science and Technology
- Journal of Evidence-Based Medicine
- Journal of Experimental Pharmacology
- Journal of Food Biochemistry
- Journal of Food Processing and Preservation
- Journal of Pharmacy and Pharmacology
- Natural Product Research
- Natural Product Communications
- Pharmaceutical Biology
- Physiology International
- Scientific Reports [Nature]
- Toxicology Reports

CONFERENCES/WORKSHOP/SEMINARS/SYMPOSIUMS

Conference /Seminar / Symposia / Workshop/Webinar						
	Conference		Seminar	Symposia	Workshop	Webinar
	National	International				
Attended	**2**	**11**	**4**	**3**	**7**	**27**
Presented	**3**	**7**	**2**	**3**	**-----**	**1**
Conducted	**----**	**-----**	**------**	**----**	**3**	**3**

FINANCIAL SUPPORT RECEIVED

Project Title: Effect of citronellol, a monoterpene on insulin signaling cascade, proinflammatory markers and glucose metabolism in streptozotocin induced diabetic rats. 2013-2016 **Rs. 20, 40, 000/-** From **Department of Science and Technology-Science and Engineering Research Board (DST-SERB).**

RESEARCH PROGRAMME GUIDANCE AND AWARDED

RESEARCH PROGRAMME GUIDANCE		
Discipline	**Awarded**	**Guidance**
M.Phil.	**1**	**1**
Ph.D.	**3**	**1**

MEMBERSHIPS

Indian Society for Atherosclerosis Research – 1285 [Membership Number]

Society for Biological Chemists - 2028 [Membership Number]

Association of Indian Biologists (AIB)-LF402020 [Membership Number]

AWARDS

Young Scientist Award- DST-SERB (Government of India)-2013

Kunnath Pharmaceuticals Award - Society for Biotechnologists India (SBTI) - 2015

Outstanding Reviewer Award - Elsevier- 2017

SCIENTIFIC ID

Scopus Author ID: 55431299100

Orcid Author ID: https://orcid.org/0000-0002-5043-1146

Web of Science Researcher ID-V-3833-2019

Google scholar Author Publications Details

Citations- 700

h-index- 14

i10-index- 14

TECHNICAL EXPERTISE:

Molecular techniques- isolation of RNA and DNA, electrophoresis (SDS-PAGE, AGE), PCR, and QRT-PCR
Protein techniques- Protein purification, Western blotting and Gel documentation