

Dr. R. Murali, Ph.D

Assistant Professor,
Department of Biochemistry,
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**CURRENT POSITION:**

- 10-03-2016 to Till Date: working as an Assistant Professor, Department of Biochemistry, Government Arts College For women, Krishnagiri, Tamilnadu, India
- Previous Work Place : Department of Biochemistry and Biotechnology, Annamalai University, Annamalai Nagar, Tamilnadu - 608 002.

EDUCATIONAL PROFILE:

Doctor of Philosophy in BIOCHEMISTRY at Annamalai University, Annamalai Nagar, Chithambaram, Tamilnadu, India (2014).

Master of Philosophy in BIOTECHNOLOGY at Bharidhasan University University, Tamilnadu, India (2005).

Master of Science in BIOCHEMISTRY at University of Madras, Chennai, Tamilnadu, India (2000).

Bachelor of Science in BIOCHEMISTRY at University of Madras, Chennai, Tamilnadu, India (1998).

TEACHING EXPERIENCE: 12 years**RESEARCH EXPERIENCE: 14 years****RESEARCH SPECIALIZATION: Diabetes mellitus and related complications****Membership in Professional Bodies: 2**

- Life Member in Society of Biological Chemists (SBC)
- Life Member in Association of Indian Biologists (AIB)

Other Academic/Administrative Activities: RRC and YRC Co- Ordinator from 2017 to 2020

RESEARCH PUBLICATIONS: 07 ARTICLES

Publications:

1. **Murali.R**, Ashokkumar.N, "Antidiabetic Effect of Fraxetin : Protective Role on the Levels of Glycoprotein Components in Experimental Diabetic Rats.", International Journal of Pharmaceutical and Biological Archives, Volume 4, Number 2, 2013, pp. 379-384. 2013.
2. **Murali.R**, Srinivasan.S, Ashokkumar.N, Antihyperglycemic effect of fraxetin on hepatic key enzymes of carbohydrate metabolism in streptozotocin - induced diabetic rats.", Biochimie, Volume 95, Number 10, Oct 2013, pp.1848-1854. 2013.
3. Ramachandhiran D, Sankaranarayananan C, Murali R, Babukumar S, Vinothkumar V. : β -Caryophyllene promotes oxidative stress and apoptosis in KB cells through activation of mitochondrial-mediated pathway – An in-vitro and in-silico study, Arch Physiol Biochem 2019 Oct 4;1-15.doi: 10.1080/13813455.2019.1669057.
4. **Murali.R**, Ashokkumar.N : Fraxetin, a novel natural coumarin, normalizes hyperglycemia with special reference to glycoprotein components in streptozotocin-induced type 2 diabetic rats.
5. Jayaganesh R, Pugalendhi P, Murali R. Effect of citronellol on NF-kB inflammatory signaling molecules in chemical carcinogen-induced mammary cancer in the rat model. J Biochem Mol Toxicol . 2020 Mar;34(3):e22441.2020.
6. Srinivasan S, **Murali R**, : Green Synthesis and Characterization of Silver Nanoparticles Using *Nyctanthes arbortristis* Linn Leaf Extract and Their Anti Bacterial Activity
7. Swathi K, Ramachandhiran D, **Murali R**, Vinothkumar V,* Isolation, Screening and Antimicrobial Activity of *Aeromonas hydrophila* from Spoiled Vegetables and Biochemical Analysis of Estuarine Microbial Sediments

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]

Annexure I

4. Seminars/Conferences/Workshops/ Symposium /Books Published

Conference /Seminar / Symposia / Workshop/Webinar						
	Conference		Seminar	Symposia	Workshop	Webinar
	National	International				
Attended	2	11	6	-	3	21
Presented	3	4	2	-	-	-
Organized	-	-	-	-	3	1

RESEARCH PROGRAMME GUIDANCE AND AWARDED

RESEARCH PROGRAMME GUIDANCE		
Discipline	Awarded	Guidance
M.Phil.	1	2
Ph.D.	-	1

Membership in Professional Bodies: 2

- Life Member in Society of Biological Chemists (SBC) - Membership ID- 2240
- Life Member in Association of Indian Biologists (AIB)- Membership ID -LF462020

SCIENTIFIC ID

- Orcid Author ID: <https://orcid.org/0000-0002-3278-1724>

Google scholar Author Publications Details

Citations- 51

h-index- 2

i10-index- 1

TECHNICAL EXPERTISE:

Molecular techniques- isolation of RNA and DNA, electrophoresis (SDS-PAGE, AGE), PCR, and QRT-PCR

Protein techniques- Protein purification methods, Western blotting and Gel documentation