



**Dr. A. KANAGALAKSHMI, Ph.D**

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**CURRENT POSITION:**

- 02-02-2016 - 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 (2015).

Master of Philosophy in BIOCHEMISTRY at Annamalai University, Tamilnadu, India (2005).

Master of Science in BIOCHEMISTRY at Madurai Kamaraj University, Madurai, Tamilnadu, India (2003).

Bachelor of Science in BIOCHEMISTRY at Madurai Kamaraj University, Madurai, Tamilnadu, India (1999).

**TEACHING EXPERIENCE: 12 years**

**TEACHING AREA**

Biomolecules

Genetic engineering

Enzymology and Enzyme technology

Cell Biology

Intermediary Metabolism

Research Methodology

**RESEARCH EXPERIENCE: 10 years**

**RESEARCH SPECIALIZATION**

- i) Cancer biology
- ii) Toxicology

**RESEARCH PUBLICATIONS: 4 ARTICLES**

1. **Kanagalakshmi A**, Rajendra Prasad N. Ferulic acid prevents ultraviolet-B radiation induced oxidative DNA damage in human dermal fibroblasts. International Journal of Nutrition, Pharmacology and Neurological diseases. 2014; 4(4): 203-213.
2. **Kanagalakshmi A**, Agilan B, Mohana S, Ananthakrishnan D, Velmurugan D, Karthikeyan R, Ganesan M, Srithar G, Rajendra Prasad N. Ferulic acid modulates ultraviolet-B radiation mediated inflammatory signalling in human dermal fibroblasts. Journal of Research in Biology. 2014; 4(7): 001-012.
3. **Kanagalakshmi A**, Rajendra Prasad N, Agilan B. Ferulic acid inhibits UVB-radiation induced photocarcinogenesis through modulating inflammatory and apoptotic signaling in Swiss albino mice. Food and Chemical Toxicology. 2015; 82: 72–78.
4. Kowsalya R, **Kanagalakshmi A**, Chinnappa A & Barathi V. Antibacterial and free radical scavenging activity of silver nanoparticles loaded with musa paradisia cauliflower extract. Our Heritage. 2020; 68:54.

**BOOK PUBLICATIONS: 3 BOOK CHAPTERS**

1. Srinivasan S, Ramachandran V, Murali R, Vinothkumar V, RaajaSubramanian D, **Kanagalakshmi 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. CONFERENCES/WORKSHOP/SEMINARS/SYMPOSIUMS**

	Conference		Seminar	Workshop	Webinar	Staff training program
	National	International				
<b>Attended</b>	<b>7</b>		<b>2</b>	<b>4</b>	<b>22</b>	
<b>Presented</b>	<b>3</b>	<b>1</b>				
<b>Conducted</b>	<b>1</b>			<b>2</b>		<b>1</b>

### **INVITED TALK IN WEBINAR**

**Title:** “Invasiveness of cervical malignancy” online talk given to Biochemistry, Biotechnology and Nutrition students in Sri Adi Chunchanagiri Women’s college, cumbum.

### **PROJECT SANCTIONED**

**Project Title:** Antiproliferative efficiency of Gedunin, a neem terpene in Cellular and Molecular Changes on cervical cancer (Henrietta Lacks) cells. 2019-2020.  
**Rs. 1, 00, 000/-** From Tamilnadu state council for higher education (TANSCHÉ).

### **RESEARCH PROGRAMME GUIDANCE AND AWARDED**

Discipline	Guidance
<b>Ph.D.</b>	<b>1</b>

## **MEMBERSHIPS**

**Society for Biological Chemists - 2239 [Membership Number]**

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

## **SCIENTIFIC ID**

**Orcid Author ID: <https://orcid.org/0000-0002-6273-4136>**

**Web of Science Researcher ID- vg/KM\_YAAAJ**

**Google scholar Author Publications Details**

**Citations- 52**

**h-index- 2**

**i10-index- 2**

## **TECHNICAL EXPERTISE:**

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

Protein techniques- Protein purification, Western blotting and Gel documentation