

C. Karthick M.Sc., M.Phil.,

## CURRICULUM VITAE

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### Address for Communication

Karthick . C  
Research Scholar,  
Molecular Gerontology lab,  
C/O Dr. M. Anusuyadevi  
Assistant Professor ,  
Department of Biochemistry,  
Bharathidasan University,  
Tiruchirappalli-620024  
Tamil Nadu, India.

### Permanent Address

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Checkpost, Chennai-42.  
Tamilnadu, India.  
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### My Performa

Father's Name : Chennakesavan. L  
DOB : 15. 12. 1985  
Sex : Male  
Nationality : Indian  
Marital Status : Single  
Language : English, Tamil,  
Telugu  
Hobbies : Reading Journals and  
playing Chess

### CAREER OBJECTIVE

Intend to build a career with leading scientific research in the field of neuroscience & molecular signaling which furnishes ample scope for self-actualization, creativity, and leadership with a zeal for achievement and realizing my career progression.

### EDUCATION

#### • PhD (pursuing)

Specialization	Biochemistry
University	Bharathidasan University Tiruchirappalli -620 024.

#### • Post-Graduation

Degree	<b>M.Phil., (2008-2009)</b>
Specialization	Biochemistry
University	University of Madras, Chennai.
Percentage of Marks	<b>80.5 % (Outstanding )</b>

Degree	<b>M.Sc.,(2006-2008)</b>
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Specialization	Biochemistry
University	Prince Shri Venkateshwara Arts & Science College, University of Madras, Chennai.
Percentage of Mark	<b>68% University Fifth Rank</b>

#### • Under-Graduation

Degree	<b>B.Sc.,(2003 - 2006)</b>
Specialization	Biochemistry
University	Prince Shri Venkateshwara Arts & Science College, University of Madras, Chennai.
Percentage of Marks	<b>73% (First class)</b>

## RESEARCH SPECIALIZATION:

My research interest is towards understanding the biochemical aspect behind cognitive decline and associated pathological consequence during aging. Age related impairments of cognitive and motor functions have been linked to number of deleterious morphological, biochemical and functional changes involving different areas of the brain. Ultimate aim of my research work mainly focuses on **clearance of amyloid-beta (A $\beta$ 42) aggregation and assessment of cognitive performance during aging with special reference to Alzheimer's disease.**

## AREA OF INTEREST

- Neurobiology
- Biochemistry
- Molecular Biology
- Immunology

## TECHNICAL SKILLS

### **Biophysical techniques:**

- ⤴ UV-Visible absorption Spectrophotometry
- ⤴ Fluorescence spectroscopy
- ⤴ Micro-plate reader (ELISA)

### **Molecular biology:**

- ⤴ Isolation of DNA and RNA
- ⤴ PCR, Reverse transcriptase-PCR
- ⤴ Agarose gel electrophoresis of DNA
- ⤴ Western blotting, Native PAGE

## PROJECT DETAILS

1. **Isolation and Characterization of Novel Proteins from *Shigella* and Elucidation of Their Role in Infection** (Project Completed under the guidance of **Dr. S. Niranjali Devaraj**, Head and Dept. of Biochemistry, Guindy campus, University of Madras, Chennai).

2. Study of Lipid Peroxidation and Antioxidant Status in Leukemia Cancer Patients- A Case Control Study.

## SEMINARS/CONFERENCES:

1. Actively participated in “**National Seminar on Current Innovations and Recent Trends in Cancer Biology, Oncojunction-2011**”, Department of Biochemistry on 24<sup>th</sup> October -2011, Periyar University, Salem, Tamilnadu, India.

2. Actively participated in “**National Seminar on Cellular and Molecular Neurobiology in Health and Diseases**”, Department of Biochemistry, University of Madras, Chennai on 11<sup>th</sup> and 12<sup>th</sup> February-2011.

3. Actively participated in “**National Conference on New Frontiers and Current Trends in Biotechnology**” & Platinum Jubilee Celebrations of Department of Biochemistry on 18<sup>th</sup> and 19<sup>th</sup> October (SBTI)- 2008, University of Madras, Chennai.

## WORKING EXPERIENCE:

Having 8 months of working experience as a **Junior Research Analyst** in **GVK BioScience Private Limited**, Chennai, India from the month of August 2010 to March 2011.

Having 6 months of working experience as a **Project Trainee** in **GVK BioScience Private Limited**, Chennai, India from the month of November 2009 to July 2010.

Having 1 year (Part time) working experience as a **clinical biochemist** in **Meena Clinical Laboratory**, Chennai, India from July 2007 to June 2008.

## ADDITIONAL QUALIFICATIONS

### COMPUTER SKILLS:

Windows : MS Office (Word, Power point, Excel, Picture Manager).  
Internet Explorer & Photoshop, Flash MX  
Softwares : Application & Execution

## REFERENCE

### **Dr. M. Anusuyadevi Jayachandran**

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### **Dr. S. Niranjali Devaraj**

Professor & Head  
Department of Biochemistry,  
University of Madras (Guindy Campus)  
Chennai- 600025,  
Tamilnadu, India.  
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### **Dr. Vasanthi Nachiappan**

Associate Professor and Head  
Department of Biochemistry,  
Bharathidasan University,  
Tamilnadu, India.  
E-mail: [vasanthinr@gmail.com](mailto:vasanthinr@gmail.com)

## DECLARATION

I hereby declare that the above-furnished information is true to the best of my knowledge and belief.

**Place:**

**Date:**

Signature  
(**Karthick. C**)