

**CHENNAI Medical College Hospital & Research Centre  
(SRM Group) Irungalur, Trichy**

**Department of Biochemistry - Staff Profile**

**Name** : Dr. H. Geetha

**Date of Birth** : 02-10.1951

**Age&Sex** : 63ys Female

**Qualification** : B.Sc (Hons), M.sc (Biochemistry), Ph.D (Neuro Chemistry)

**Designation** : Professor (Bangalore Medical College)  
Retired from service on 31st October 2011

**At present** : Professor of Biochemistry  
Melmaruvathur Adhiparasakthi Institute of Medical Science & Research  
Melmaruvathur-603 319, Tamilnadu.

**Mobile No.** :09448533188; 08344891968

**Teaching experience** : UG > 40 Years  
PG – 29 years

**Research Experience** : 29 Years

<b>Degree</b>	<b>Subject</b>	<b>Year</b>	<b>Class</b>	<b>University</b>
B.Sc[Hons]	chemistry	1971	1 <sup>st</sup>	Bangalore university
M.Sc	Bio-Chemistry	1973	1 <sup>st</sup>	Bangalore university
P.hd	Neuro chemistry	1991		NIMHAN,S Bangalore.

**Projects Financed by-**

- 1) Karnataka State Council for Science&Tecnology.IISc Bangalore.
- 2)Karataka State Council for Science&ReaserchTecnology.Govt of Karnataka,  
Bangalore.

- 3)State Branch of Medical Research,BMC/RI,Bangalore.
- 4)Directorate of Medical Research,RGUHS,Bangalore.
- 5)International Unit of ART OF LIVING,KanakapuraRoad,Bangalore.

**Papers presented in Conferences-**

<b>Year</b>	<b>Conference Place</b>	<b>Title of the Paper</b>
1985	XI Annl Conf of ACBI Bangalore.	CSFcalcium in Neurologicadisorders
1986	XII Annl of Conf of ACBI Ahamadabad	Sweat osmolality the congenit diseases with special reference to DOWN's, Syndrome.
1986	XII Annl of Conf of ACBI	A modified microflurimetric method for the Assay of MAO in Platelets.
1986	23rd Annl Conf of the Indian Academy of Paediatrics Delhi.	Sweat osmolality as a Laboratory Diagnostic Criteria.
1986	55th Annl meeting of Society of Biological Chemists India, <b>[Awarded- Best Paper out of 590 papers]</b>	Single reagent method of Phosphorus estimation for phosphatases
1987	International Conf on Energy Medicine Madras.	As a Delegate
1988	XIII Annl conf of ACBI Udiapur	Phenytoin induced Gingival Hyperplasia & orosomuroid content of Saliva.
1988	Indian Science congress, Platinum Jubilli Session, Poona.	Sweat Osmolality in relation to Menstrual cycle gestation.
1990	Annl Conf of ACBI, Bangalore.	Effect of Phyllanthus Nirurion Liver Marking enzymes in CCl4 induced Liver damaged Rats.

1991	National Conf of APPI,Bangalore.	RBCmembrane Na <sup>+</sup> K <sup>+</sup> ATPase Activity in Hyperhidrosis patients.
1992	41 <sup>st</sup> National Conf of IAPM,Poona.	Serum Osmometry-a novel tool In Laboratory medicine.
1993	NationalConf of APPI,Udiapur.	Biochemical profile in Psoriasis.
1994	8thAsianCongofPaediatrics,Delhi.	Erythrocyte membraneATPase -presence of inhibitory factor[s] in Sweat of Down''s syndrome.
2001 -	12 <sup>th</sup> International Conference on Frontiers In Yoga Research& Applications.Bangalore.	
2002 -	9th Asian Pacific Congress of Clinical Biochemistry.Delhi	Effect of Sudarshan Kriya Practice on LipidProfile&Lipid Peroxidation in Normal Individuals.

### **Paper Publications...**

- 1) CSFcalcium in Neurological disorders-Apreliminary report  
H.Geetha&K.T.Shetty,NIMHANSJournanal 3(2)July 1985,155-160.
- 2) Sweat Osmolality in Down''ssyndrome&CysticFibrosis in an Indian population.  
K.T.Shetty&H.Geetha,BMJ,294,Jan,1987.
- 3) A Single Reagent method of phosphate estimation in phosphatases(s) Assay.  
K.T.Shetty,M.K.Sapru&H.GeethaInd.J.bio,BioChemistry&Biophysics.
- 4)SweatOsmolalityasaboratoryDiagnosticCriteria.H.Geetha,K.T.Shetty&C.Chadrashekar,Ind.J.P  
aed,3,1986,56.
- 5) Phenytoin induced gingival hyperplasia&orosomuroid content of saliva.  
Ramakrishna,H.Geetha.&V.Ramakrishna,Ind.J.of clinical Biochemistry,3.1988,63-64.

6) Sweat osmolality in some of the congenital diseases,

H. Geetha, C.M. Jayakeerty & L. Govardan, Ind. J. of Path & Microbiology, Jan, 1993, 60-64.

7) Erythrocyte membrane ATPase, -presence of inhibitory factor[s]

in Sweat Down syndrome. H. Geetha, L. Govardan & Benakappa., Proceedings of Asian Cong of Paediatrics, 1994.

8) Sweat Osmolality in relation to Menstrual cycle & gestation, H. Geetha, C.M. Jayakeerty & H. Chitra., Obs & Gyn Communications, 1999.

Laboratory Diagnostic Criteria. H. Geetha, K.T. Shetty & C. Chadrashekar, Indian Academy of Paediatrics

9. **H. Geetha**, H. Chitra, Kubera N.S., Prasanthi. M. Quality of life after menopause: Effects of hormone replacement therapy, vitamin E and sudarhana kriya yoga practice: A comparative study. Biomedical Research 2014;25(2):240-242

10. **H. Geetha**, Sudarshan Kriya Yoga and Antioxidant Enzymes – A Novel Relationship. IJBR 2014;05 (03):187-189.

11. **H. Geetha**, Effect of Sudarshankriya yoga practice on lipid profile & lipid per oxidation in normal individuals. Biomedicine 2013;33(3):380-382.

12. Ashok V. Katta, **H. Geetha** R.V. Katkam. Role of Glucose 6 Phosphate Dehydrogenase (G6PD) in the pathophysiology of Cataract. **Biomed Res-India** 2013;24(1):146-149.

13. **H. Geetha**, Practical Biochemistry for Medical, Dental & Allied courses. (Book review) Biomedicine 2013;33(4):596

14. Ashok V Katta, R V Katkam, **H. Geetha**. Lipid Per oxidation and the Total Antioxidant Status in the Pathogenesis of Age Related and Diabetic Cataracts: A study on the Lens and Blood. **Journal of Clinical and Diagnostic Research** 2013;7(6), 978-981.

15. Ashok V. Katta, **H. Geetha**, MH Satyalakshmi. Protein oxidation, protein glycation and lens opacity senile and diabetic cataract – A study in human lens. **Biomedicine** 2013;33(2):206-210.

16. Ashok V. Katta, **H. Geetha**, N. Vinoth. Quality of life after thyroid surgery: changes in thyroid profile after partial and total thyroidectomy. **IJCB** 2013; 28 (1) Supp:197.

17. **H. Geetha**, Ashok V. katta, Sjaranya. Cord blood gamma glutamyl transpeptidase activity in neonates – with relation to gestational age, gender and perinatal events. **IJCB** 2013 (1) supp.:198.

**Academic** : Appointed from MCI as Inspector for both UG and PG  
Examiner for M.B.B.S, M.D, Ph.D in Karnadaga, Kerala, Andrapradesh,  
Tamil Nadu and Maharashtra - Heath universities

**Achievements** :

- ❖ Member of Association of clinical Biochemists, India.
- ❖ Member of Society for free Radical Research in India.
- ❖ Best paper award in the 56<sup>th</sup> Annual Meeting of Society of Biological Chemists, India, Paper – Single Reagent method of phosphorous estimate for phosphatase (s) – 1986.
- ❖ Lifetime Education achievements Award 2006 from Delhi.
- ❖ Completed a number of projects in various faculties of medicine and Paper from the above projects have been presented in various national and international conferences and published in indexed journals.