

Dr. T.K. Balaji

Professor
Department of Anatomy
Chettinad Hospital & Research Institute



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Age: 39

Educational Qualifications:

Doctor of Philosophy (**Ph.D.**): Anatomy (Faculty of Medicine) May 2008
Annamalai University, Tamilnadu, India

Postgraduation (**M.Sc.**): Human Anatomy (Faculty of medicine)
Month & Year of passing : April 1998
Institution : Dr. A.L.Mudaliar
Institute of Basic medical sciences,
University of Madras. India.

Under graduation (**B.Sc.**): Zoology, (1992-1995). University of Madras

Teaching Experience:

25/05/1998 to 11/03/2000 - Lecturer, Mamata Medical College Khammam, A.P. India

21/06/2000 to 24/09/2001 - Tutor, Rajah Muthiah Medical College
Annamalai University, Tamil Nadu, India

25/09/2001 to 27/08/2008 - Lecturer, Rajah Muthiah Medical College, Annamalai
University, India

01/09/2008 to 31/08/2012 - Associate Professor, Chettinad Hospital & Research
Institute, Kelambakkam – Tamilnadu. India.

01/09/2012 to till date - Professor, Chettinad Hospital & Research Institute,
Kelambakkam – Tamilnadu. India.

Total

Teaching experience : 15 Years and 6 months

Research Experience

Author impact analysis 2007-2014 Harzing's publish or perish

Citations	28	h-index	2 (3 as per scopus)
Cites/year	3.50	g-index	3
Cites/paper	2.80	hc-index	2
Cites/author/year	1.12	hl-norm	2
Papers/author	2.90	hl-annual	0.25

Research Interests:

- I. Reproductive toxicology, Male infertility and drug toxicity, Fatty acid metabolism and its role in sperm maturation. Growth factors and receptors.
- II. Gross structural and morphometric variations of human organs and organ systems.

Research Guidance

- Ph.D. - Ongoing:**
1. Effect of Naringin on pancreatic transcription factors of diabetic induced rats.
 2. Effect of Naringin on renal growth factors of diabetic induced mice

Post graduate Dissertations

Completed	<ol style="list-style-type: none">1. A study on Azygos system of veins (2012)2. Variations in the branching pattern of internal iliac artery (2012)1. A study on jugular foramen in human skull. (2013)2. Variations in the branching pattern of profunda femoris artery (2013)3. A study on obturatory artery and its variations (2013)4. A study on the origin and branching pattern of Median nerve in human cadavers (2014)
Ongoing	<ol style="list-style-type: none">1. Variations in the formation and branches of thoracic sympathetic ganglia in human cadavers2. Ulnar nerve and its variations in the hand.

List of Publications:

1. Balaji, T., et al., 2007. Localization of cyclooxygenase-2 in mice vas deferens and its effects on fertility upon suppression using nimesulide – A preferential cyclooxygenase-2 inhibitor. *Toxicology*, 234: 135-144.
2. Balaji, T., et al., 2007. Localization of cyclooxygenase-2 in mice testis and its assessment of its possible role through suppressing its expression using nimesulide – A preferential cyclooxygenase-2 inhibitor. *Prostaglandins leukot. and Essent. Fatty acids*, 76: 341-348.
3. Balaji, T., et al., 2008. Distribution of Cyclooxygenase 1 and cyclooxygenase-2 in mice seminal vesicle. *Journal of Applied biomedicine*, 6(2): 97-104.
4. Balaji, T., et al, 2009. Suppression of constitutively expressed cyclooxygenase-2 in the epididymis of mice decreases sperm motility. *J Basic Clin. Physiol. Pharmacol.*, 4: 357-376.
5. Balaji, T. et al., 2012. Effect of nimesulide on cytosolic phospholipase A2 activity in male reproductive organs of mice. *Biomedicine* 32(3) 363-368.
6. D.Vinaitha, V. Subhadra Devi, D. Jagadeesh Babu, V. Usha Rani, **Balaji T.** 2010. Variation in formation and distribution of median nerve in arm with associated absence of musculocutaneous nerve an observation in three fetal cadavers. *Biomedicine*, 30(4): 444-447.
7. Vaithianathan G, Aruna S, Rajila RH, **Balaji T.** 2011. Sternalis “mystery” muscle and its clinical implications *Ital J Anat Embryol.* 116(3):139-43
8. Sharmila S, Senthil kumar A, Aruna S, **Balaji T**, Rajila RHS. 2011. Variable Branching Pattern of The Common Hepatic Artery And The Celiac Artery. *J. clin. Diag. Res.* 5 (7) 1433-1436.
9. Balaji T. et al. 2013. Variations in the posterior division branches of mandibular nerve in human cadavers. *Singapore Medical Journal.* 54(3) 149-151.
10. R SharmilaSaran, K SubaAnanthi, ArunaSubramaniam, **Thotakura Balaji**, D Vinaitha, G Vaithianathan 2013. Foramen of Civinini: A New Anatomical Guide for Maxillofacial Surgeons. *Journal of Clinical and Diagnostic Research.* 2013 Jul, Vol-7(7): 1271-1275
11. Thotakura Balaji, Manickam S., Vaithianathan G, sharmila saran rajendran , Hannah Sugirthabai Rajila Rajendran 2013. Nimesulide Induced Histopathological Changes in the vas deferens of Mice. *Journal of Clinical and Diagnostic Research.*, Vol-7(10): 2116-2118.
12. Venkatesh gobi Veerappan, **Balaji Thotakura**, Aruna S., Kannan G., Narayanan G., Balaji K. 2013. Study of Intercondylar Foramen of Humerus – Clinical And Radiological Aspect. *Journal of Nursing and Health Science* Vol 2(4): 24-27
13. Balaji K, **Thotakura Balaji** ,Venkateshgobi Veerappan, Aruna subramaniam, Murugesan Karthikeyan. 2013. A Study on Cervical Sympathetic Chain and Raynauds Phenomenon. *Journal of Dental and Medical Sciences* Vol. 7(6): 52-55.

14. Vidhya Ramakrishnan, Anil kumar Reddy Y, Aruna. S, **Balaji Thotakura**, Suba Ananthi. 2014. A Cadaveric Study On Anatomical Variations Of The Superficial Palmar Arch. International Journal of Medical Research & Health Sciences. 3 (1) 144- 148.
15. Yoganandham Janani, Hannah Sugirthabai Rajila Rajendran, **Thotakura Balaji**, Rajendran Sharmila Saran, Mounissamy Batmanabane. 2014. A study on the communicatins of median nerve with musculocutaneous and ulnar nerves. International Journal of Research in Heath Sciences 2 (2)
16. Sharmila Saran, Thotakura Balaji, Hannah Sugirthabhai Rajila Rajendran, G. Vaithianathan, Syamly, Janani Yoganandham. 2014. Multiple Anatomical Variations in an upper limb – A case report. Medical Science. 2 (1): 93 – 98.

Papers presented:

1. Effect of middle cerebral artery occlusion on cortico-pontine system in Bonnet Monkey - Conference of Association of Anatomist Tamilnadu, Christian Medical College – Vellore.. September 1997
2. Fate of cortico- pontine system after experimental vascular insult to cerebral cortex in Bonnet monkey - paper presented at Conference of All India Association of Anatomist, Gandhi Medical College, Bhopal.. December 1997
3. Effect of middle cerebral artery occlusion in cerebellum- A comparative study in human (case review) and bonnet monkey - paper presented at All India Association of Anatomist – Dehradun. February 2001
4. Effect of Nimesulide – A non steriodal anti-inflammatory drug in the testis of albino mice - Conference of Association of Anatomist Tamilnadu, Sri Balaji medical college – Chennai, September 2006.
5. Nimesulide induced changes in the vas deferens of Mice – Conference of Anatomical Society of India, Banaras Hindu university – Varanasi, December 2008

Details of Examinership

Name of the course	Year	University
Ph.D. (External examiner)	2010 2013	Bharath university Bharath university
M.B.B.S Internal examiner External examiner	2009 – till date 2010 – till date	Chettinad University Tamil Nadu Dr. MGR, Meenakshi & Bharath University
B.D.S (External examiner)	2009 & 2012	Tamilnadu Dr. M.G.R. University
B.Sc. Nursing (External examiner)	2007-2008	Annamalai University

Awards:

Dr.M.M. Cooper memorial award for the best paper presented in Conference of Association of Anatomists. September 2006.

Symposium attended

1. Experimental Neural transplantation and its possible clinical applications. University of Madras. March 1996
2. Recent trends in Medical genetics, Mahatma Gandhi Medical College, Pondicherry February 2010.

Workshops attended

1. Basic course workshop on Medical Education technologies conducted by CMC vellore regional centre for Medical Council of India. April 2012. Chettinad Hospital and Research Institute. Kelambakkam.
2. UGC sponsored workshop on Developing a model syllabus for improving writing skills of researchers across disciplines Annamalai University, March 2005
3. UGC sponsored workshop on Recent trends in Biochemistry and Biotechnology with special reference to natural products in health. Annamalai University. February 2006.
4. Workshop on Human cytogenetic techniques and its possible Clinical applications. St.John's Medical College, Bangalore. July 2001

Seminars attended

1. National level seminar on research methodology- Sri Balaji Medical college, November 2008.
2. Clinical anatomy of cerebellum, SRM Medical college March 2011
3. Fascial spaces of Head & Neck and its clinical implications, Chettinad Health City July 2011
4. Gestational Medicine, Mahatma Gandhi Medical College, Pondicherry, September 2011.

Conferences attended

National - 5

State - 7

Membership in Professional bodies

1. Vice president – Association of Anatomists, Tamilnadu (2011-12)
2. Section Editor – Chettinad health city medical journal
3. Life member of Anatomical society of India.
4. Life member of Association of Anatomists, Tamilnadu
5. Member board of studies in Chettinad university
6. Member internal review board for research in Chettinad university
7. Member Academic council in chettinad university.

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List of Referees :

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4. **Dr. J. Vijaya Kumar M.Sc. Ph.D.,**
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