

Dr. KUMAR EBENEZAR K

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Faculty of Allied Health Sciences
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Qualifications:

Ph. D. Biochemistry: 2004, University of Madras, Chennai - 600 025, TN, India.

M. Sc. Biochemistry: 1999, Bharathiar University, Coimbatore - 641 046, TN, India.

Research Interests:

Study of metabolic pathways and their association with genetic variations of biomedical importance in Diabetes, Cardiovascular & Renal pathophysiology with regard to Nitric oxide signaling and Oxidative stress; Nano-based drug delivery and Toxicology.

Post-Doc / Work Experience:

- 2011 – Present: Asst. Professor (SS) & Assoc. Professor, Faculty of Allied Health Sciences, Chettinad Hospital and Research Institute (CHRI), Kelambakkam
- 2009 – 2011: Lecturer (GL), Dept. of Biotechnology, Bharathidasan University, Trichy, TN
- 2005 – 2009: Post-Doctoral Associate, Dept. of Physiology & Pharmacology, University of Calgary, Calgary, AB, Canada
- 1999 – 2000: Lecturer & Head, Dept. of Biochemistry, Matha College, Manamadurai, TN

Extramural projects - ongoing/completed

Sr. no.	Funding Agency	Sanctioned amount in Rs.
1	Dept. of Biotechnology, Govt. of India, New Delhi	34,00,000

Research Guidance:

Degree	Awarded	Ongoing
Ph.D.	2	1
M.Sc.	2	1
B.Sc.	1	1

Summary of Research:

Papers	20	h-index	9	November 2017
Citations	355	i10 index	9	Google scholar

Publications:

1. Karthik R, Manigandan V, Ebenezar KK, Saravanan R. 2017. In vivo and in vitro anti-cancer properties of posterior salivary gland toxin from cuttle fish. *Chemico-Biol. Interac.* 272: 10-20 [IF: 2.618] [Cit: 2]
2. Vasanthi J, Sheik Ahmed SSJ, Ebenezar KK. 2016. Multivariate and docking analysis of curcumin in diet induced insulin resistance in rats. *Springer Plus*, 5(1):1-15 [IF: 0.982] [Cit: 2]
3. Karthik R, Saravanan R, Ebenezar KK, Sivamalai T. 2015. Isolation, purification and characterization of avian antimicrobial glycopeptide from posterior salivary gland of *Sepia pharaonis*. *Applied Biochem. Biotech.* 175:1507–1518. [IF: 1.89] [Cit: 2]
4. Saravanan R, Kumar Ebenezar K, Rajasekaran S, Thamaraiselvan R. 2013. Isolation, characterization and anti-coagulant activity of sulphated polysaccharide from brown algae *S. wightii* Greville. *J. Biol. Sci.* 13 (4); 283-287
5. Ebenezar KK, Wong AKO and Smith FG. 2012. Haemodynamic responses to angiotensin II in conscious lambs: Role of nitric oxide and prostaglandins. 2012. *Pflugers Arch. Eur. J. Physiol.* 463 (3); 399-404 [Impact factor: 4.866; Citations: 5]
6. Ebenezar KK, Ghane FS, Qi W and Smith FG. 2010. Prostaglandins do not modulate renal haemodynamic effects of endothelin-1 (ET-1) in conscious lambs. *Can. J. Physiol. Pharmacol.* 88 (2): 161-167 [Impact factor: 1.728; Citations: 5]
7. Ebenezar KK, Wong AKO, Smith FG. Pressor and renal haemodynamic responses to angiotensin II (ANG II) in conscious lambs: Role of nitric oxide (NO) and prostaglandins (PGs). *FASEB J.* 22: 735.8, 2008. [IF. 6.515]
8. Gnanapragasam A, Yogeeta S, Subhashini R, Ebenezar KK, Sathish V and Devaki T. 2007. Adriamycin induced myocardial injury: Protective role of centella asiatica. *Mol. Cell. Biochem.* 294 (1-2): 55-63 [Impact factor: 2.329; Citations: 42]
9. Ebenezar KK, Ghane FS and Smith FG. 2007. Effects of Indomethacin on systemic and renal haemodynamics in conscious lambs. *Exp. Physiol.* 92 (3); 575-581 [Impact factor: 3.33; Citations: 8]
10. Qi W, Ebenezar KK, Samhan M and Smith FG. 2007. Renal responses to the kappa opioid receptor agonist U-50488H in conscious lambs. *Am. J. Physiol. Regul. Integr. Comp. Physiol.* 293 (1); R162-R168 [Impact factor: 3.34; Citations: 4]
11. Ebenezar KK, Ghane FS, Wei Q and Smith FG. Prostaglandins do not modulate renal haemodynamic responses to endothelin-1 in conscious lambs. *FASEB J.* 21: 595.5, 2007
12. Ebenezar KK and Smith FG. 2007. Prostaglandins in the patent literature. *Exp. Opin. Ther. Pat.* 17 (9); 1131-1145 [Impact factor: 3.525; Citations: 1]
13. Senthilkumar S, Ebenezar KK, Sathish V, Yogeeta S and Devaki T. 2006. Modulation of tissue defense system by squalene in cyclophosphamide induced toxicity in rats. *Arch. Med. Sci.* 2 (2); 94-100 [Impact factor: 1.119; Citations: 10]
14. Kesavarao KE, Ghane FS and Smith FG. Effects of indomethacin on systemic and renal haemodynamics during postnatal maturation in conscious lambs. *FASEB J.* 20: A763, 2006.
15. Gnanapragasam A, Ebenezar KK, Sathish V, Govindaraju P. and Devaki T. 2004. Protective effect of Centella asiatica on antioxidant tissue defense system against adriamycin induced cardiomyopathy in rats. *Life Sci.* 76 (5); 585-597 [Impact factor: 2.704; Citations: 79]
16. Sathish V, Ebenezar KK and Devaki T. 2003. Synergistic effect of nicorandil and amlodipine on tissue defence system during experimental myocardial infarction in rats. *Mol. Cell. Biochem.* 243 (1-2); 133-138 [Impact factor: 2.329; Citations: 50]

17. Sathish V, Ebenezar KK and Devaki T. 2003. Biochemical changes on the cardioprotective effect of nicorandil and amlodipine during experimental myocardial infarction in rats. *Pharmacol. Res.* 48 (6); 565-570 [Impact factor: 4.346; Citations: 30]
18. Sathish V, Ebenezar KK, Devaki T. 2003. Synergistic effect of Nicorandil and Amlodipine on lysosomal hydrolases during experimental myocardial infarction in rats. *Biomed. Pharmacother.* 57 (7); 309-313 [Impact factor: 2.231; Citations: 27]
19. Ebenezar KK, Sathish V and Devaki T. 2003. Effect of L-arginine and L-lysine on lysosomal hydrolases and membrane bound phosphatases in experimentally induced myocardial infarction in rats. *Mol. Cell. Biochem.* 247 (1-2); 163-169 [Impact factor: 2.329; Cit: 24]
20. Ebenezar KK, Sathish V and Devaki T. 2003. Effect of arginine and lysine on mitochondrial Function during isoproterenol induced myocardial infarction in rats. *Nutr. Res.* 23 (9); 1269-1277 & 23 (10): 1417-1425 [Impact factor: 2.236; Citations: 19]
21. Ebenezar KK, Sathish V and Devaki T. 2003. Effect of oral administration of L-arginine and L-lysine on lipid metabolism against isoproterenol induced myocardial infarction in rats. *J. Clin. Biochem. Nutr.* 33; 7-11 [Impact factor: 1.672; Citations: 1]
22. Sathish V, Vimal V, Ebenezar KK and Devaki T. 2002. Synergistic effect of nicorandil and amlodipine on mitochondrial function during isoproterenol-induced myocardial infarction in rats. *J. Pharm. Pharmacol.* 54 (1); 133-137 [Impact factor: 2.033; Citations: 36]
23. Ebenezar KK, Sathish V & Devaki T. 2002. Protective role of arginine and lysine on tissue defence system during isoproterenol induced myocardial stress in rats. *Biomed.* 21 (2/3); 71-76 [Cit: 2]

Conference/ Workshop / Seminars Organized: National - 6

Conference / Seminars / Workshop / Invited Lectures / Resource person:

Presentations: International - 12; National – 3

Invited Lectures / Resource person: National - 4

Other relevant information

Membership: American Physiological Society (APS)

Editorial Activities: Reviewer more than 10 international peer-reviewed journals