

List of Research Publications from Ph. D. work

1. Krishnamurthy S, **Garabadu D** and Joy KP. Risperidone ameliorates post traumatic stress disorder-like symptoms in modified stress re-stress model. *Neuropharmacol.* 2013, 75C:62-77. (IF: 4.819)
2. **Garabadu D**, Krishnamurthy S. Diazepam potentiates the anti-diabetic, anti-stress and anxiolytic activities of metformin in type-2 diabetes mellitus with co-occurring stress in experimental animals. *Biomed Res Int.* 2014; 2014:693074. (IF: 2.706)
3. **Garabadu D**, Ahmad A, Krishnamurthy S. Risperidone attenuates modified Stress-Re-Stress paradigm-induced mitochondrial dysfunction and apoptosis in rats exhibiting Post Traumatic Stress Disorder-like symptoms. *J Mol Neurosci.* 2015; 56:299-312 (In Press; IF: 2.757).
4. **Garabadu D**, Krishnamurthy S. Mitochondria complex-I inhibitor restores type-2 diabetes-induced alteration in PI3K/Akt/GLUT-4 signaling pathway in rat liver and pancreatic tissues. *J Physiol Sci* (Under Review).
5. **Garabadu D**, Krishnamurthy S. Mitochondria complex-I inhibitor restores rat brain PI3K/Akt/GLUT-4 signaling pathway in experimental type-2 diabetic rats. *Cell Mol Neurobiol* (Under Review).
6. **Garabadu D**, Krishnamurthy S. Mitochondrial complex-I inhibitor attenuates encephalopathy through restoring PI3K/Akt/GLUT-4 signaling in discrete brain regions of type-2 diabetic rats. *J Mol Neurosci* (Under Review).
7. **Garabadu D**, Krishnamurthy S. Bicuculline-sensitive GABAA receptor activation attenuates hepatic insulin resistance in experimental type-2 diabetic rats. *Life Science* (Under Review).
8. **Garabadu D**, Krishnamurthy S. Metformin attenuates hepatic insulin resistance in type-2 diabetic rats through PI3K/Akt/GLUT-4 signaling independent to bicuculline-sensitive GABA_A receptor stimulation. *Pharm Biol* (Under Review).

List of Research Publications from other projects

1. Joshi R, **Garabadu D**, Teja GR, Krishnamurthy S. Silibinin ameliorates LPS-induced memory deficits in experimental animals. *Neurobiology of Learning and Memory*, 2014, 116:117–131. (IF: 3.6).
2. Geed M, **Garabadu D**, Ahmad A, Krishnamurthy S. Silibinin pretreatment attenuates biochemical and behavioral changes induced by intrastriatal MPP+ injection in rats. *Pharmacol Biochem Behav* 2014, 117:92-103. (IF: 2.8).
3. **Garabadu D**, Krishnamurthy S. Asparagus racemosus Attenuates Anxiety-Like Behavior in Experimental Animal Models. *Cell Mol Neurobiol* 2014, 34:511-521. (IF: 2.5).
4. Das N, **Garabadu D**, Banerjee AG, Krishnamurthy S and Shrivastava SK. Synthesis and pharmacological evaluation of some N3-aryl/heteroaryl-substituted 2-(2-chlorostyryl)-6,7-dimethoxyquinazolin-4(3H)-ones as potential anticonvulsant agents. *Med Chem Res*, 2014 (In Press). (IF: 1.4).
5. **Garabadu D**, Reddy BC, Krishnamurthy S. Citalopram protects against cold restraint stress-induced activation of brain derived neurotrophic factor and expression of nuclear factor kappa-light-chain-enhancer of activated B cells in rats. *J Mol Neurosci* 2014, 55:355-366. (IF: 2.3).
6. **Garabadu D**, Shah A, Singh S, Krishnamurthy S. Protective effect of eugenol against restraint stress-induced gastrointestinal dysfunction: Potential use in irritable bowel syndrome. *Pharm. Biol.* 2014, 53:968-974. (IF: 1.3).

7. Singh NK, Laloo D, **Garabadu D**, Singh TD, Singh VP. Ichnocarpus frutescens ameliorates experimentally-induced convulsion in rats. *International Scholarly Research Notices* 2014, 2014:434179.
8. Krishnamurthy S, **Garabadu D**, Reddy NR. Asparagus racemosus modulates the hypothalamic-pituitary-adrenal axis and brain monoaminergic systems in rats. *Nutr Neurosci* 2013, 16:255-261. (**IF: 2.3**).
9. **Garabadu D** and Krishnamurthy S. Temporal effect of repeated stress on type-2 experimental diabetes In: *Diabetes mellitus and human health care- A holistic approach to diagnosis and treatment*. Editors: Anne George, MD., Robin Augustine and Mathew Sebastian, MD. Apple Academic Press Inc, USA, 2013, page no.: 357-392.
10. **Garabadu D**, Shah A, Ahmad A, Joshi VB, Saxena B, Palit G, Krishnamurthy S. Eugenol as an anti-stress agent: modulation of hypothalamic-pituitary-adrenal axis and brain monoaminergic systems in a rat model of stress. *Stress* 2011, 14:145-155. (**IF: 3.5**).
11. Krishnamurthy S, **Garabadu D**, Reddy NR, Joy KP. Risperidone in ultra low dose protects against stress in the rodent cold restraint model by modulating stress pathways. *Neurochem Res* 2011, 36:1750-758. (**IF: 2.6**).

LIST OF PAPERS PRESENTED IN CONFERENCES

1. **Garabadu D** and Krishnamurthy S. Modified stress-re-stress paradigm causes apoptosis in discrete brain regions to develop post traumatic stress disorder-like symptoms in experimental animals. Presented in Indian Academy of Neuroscience, 2014 held at NIMHANS, Bangalore, India.
2. **Garabadu D** and Krishnamurthy S. Risperidone Shows Anti-Post Traumatic Stress Disorder-Like Activity by Reducing Mitochondria-Linked Apoptosis. Presented in Indian Pharmacological Society, 2014 held at Guwahati, Assam, India.
3. **Garabadu D** and Krishnamurthy S. Metformin exhibits anxiolytic activity in experimental type-2 diabetic rats through PI3K/Akt/GLUT-4-linked mitochondria-dependent mechanism. Accepted and will be Presented in Annual Meetings of Society for Neuroscience 2015 scheduled to be held in Chicago, USA from 17th – 21st October 2015.