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<b>Designation</b>	<b>Assistant Professor</b>	
<b>Educational Qualification</b>	M. Sc (Biochemistry); Ph.D. (Biochemistry);CSIR-CFTRI Post.doc: NIMHANS	
<b>Experience in Years</b>	8 years (Research); 3 yr (Teaching)	
<b>Area of Interest</b>	Neurobiology and Environmental Neurotoxicology	
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#### **International/National Journal Publications (Detail list):**

- 1) S. Banerjee, S. Pandey, P. Muherjee, A.Sayeed, A.V. Pandurangi, **G. K. Shinomol**, S.M. Sahabudeen, “ Investigation of cytotoxicity induced by *Nigella sativa* and *Azadirachta indica* using MDA-MB-231, HCT 116 and SHSY5Y cell lines”, *Pharmacognosy Journal* ,(In press).2016.
- 2) **G.K. Shinomol**, A.K. Joshi S. Ranganayaki, N. Gayathri , H. Gowda, Muralidhara and M.M. Srinivas Bharath, “Characterization of age-dependent changes in the striatum: Response to the mitochondrial toxin 3-nitropropionic acid”, *Mechanism of Ageing and Development*, 2016 pii: S0047-6374(16)30050-1. doi: 10.1016/j.mad.2016.04.008. PMID:27143313.
- 3) **G.K. Shinomol** , K. Bhanu Revathi, N. Deepa , S.C.Pooja, T.S. Ashwini , and S. Das, “A Study on the Potential of Moringa Leaf and Bark Extract in Bioremediation of Heavy Metals from Water Collected from Various Lakes in Bangalore”, *Procedia Environmental sciences*, Vol. 35, p869-880, 2016.
- 4) D .Ramakrishna, T Shashank, **G.K. Shinomol**, S.Kiran and G.A Ravishankar, “*Salacia sps.*: A Source of Herbal Drug for Several Human Diseases and Disorders”, *International Journal of Current Pharmaceutical Review and Research*, Vol.7, Issue:3, p129-140. 2016.
- 5) P. Patil, N.N. Kumar and **G.K. Shinomol**, “User Interface for Metagenomics Data Analysis”, *International journal of recent trends in Engineering and research*, Vol.2, Issue.4.p264-267.2016.
- 6) **GK Shinomol** and Muralidhara, “*Bacopa monnieri* prophylaxis abrogates 3-NPA induced brain mitochondrial oxidative stress among prepubertal mice: *in vitro* and *in vivo* evidences”, *Neuroscience and Biomedical Engineering*, vol.3, Issue.2: p102 – 115. 2015.
- 7) R .Sangeetha, Y KT Diea, C .Chaitra, PG. Malvi and **G K Shinomol**,”The amazing Bamboo: A review on its medicinal and pharmacological potential”, *Indian Journal of Nutrition*, Vol.2, Issue.1: p106. 2015.
- 8) D.Ramakrishna, T.Shashank, G.K. **Shinomol**, S.Kiran and G.A.Ravishankar,” *Salacia sps*-Apotent source of herbal drug for antidiabetic and antiobesity: a detailed treatise”, *International Journal of Pharmacognosy and phytochemical research*, Vol.7 , Issue. 2; p374-382. 2015.
- 9) **GK Shinomol** and Muralidhara,” Efficacy of *Centella asiatica* leaf powder -enriched diet to ameliorate Khesari dhal -induced oxidative impairments in brain regions of young mice”, *International Journal of Therapeutic Applications*,vol.12, issue.p4-15.2013.

- 10) **G.K. Shinomol**, N. Raghunath, M.M.S. Bharath and Muralidhara, "Prophylaxis with *Bacopa monnieri* attenuates Acrylamide induced neurotoxicity and oxidative damage via elevated antioxidant function", Central Nervous System Agents in medicinal chemistry, Vol.13, p3-12. 2013.
- 11) **G.K. Shinomol**, M.M.S. Bharath and Muralidhara, "Pretreatment with *Bacopa monnieri* extract offsets 3-nitropropionic acid induced mitochondrial oxidative stress and dysfunctions in striatum of prepubertal mice brain," Canadian Journal of Physiology and Pharmacology, Vol.90, Issue.5:p595-606.2012.
- 12) **G.K. Shinomol**, M.M.S. Bharath and Muralidhara, "Neuromodulatory Propensity of *Bacopa monnieri* Leaf Extract Against 3-Nitropropionic Acid-Induced Oxidative Stress: *In Vitro* and *In Vivo*, Neurotoxicity Research, Vol.22, Issue.2;p102-14.2012.
- 13) **G.K. Shinomol**, R.B. Mythri, M.M.S. Bharath, and Muralidhara, "*Bacopa monnieri* extract offsets rotenone-induced cytotoxicity in Dopaminergic cells and oxidative impairments in mice brain," Cellular and Molecular Neurobiolog, 32(3):455-65.2012.
- 14) **G.K. Shinomol**, Muralidhara and M. M. S, "Exploring the Role of "Brahmi" (*Bocopa monnieri* and *Centella asiatica*) in Brain Function and Therapy," Recent Patents on Endocrine, Metabolic & Immune Drug Discovery, vol.5,p 33-49.2011.
- 15) **G.K. Shinomol** and Muralidhara, "Bacopa monnieri modulates endogenous cytoplasmic and mitochondrial oxidative markers in prepubertal mice brain.", Phytomedicine, vol.18, Issue.4,p317-26. 2011.
- 16) **G.K. Shinomol**, H.Ravikumar and Muralidhara," Prophylaxis with *Centella asiatica* confers protection to prepubertal mice against 3-nitropropionic-acid-induced oxidative stress in brain," Phytotherapy Research, Vol.24, Issue.6,p885-92. 2010.
- 17) **G.K. Shinomol**, Muralidhara, "Prophylactic neuroprotective property of *Centella asiatica* against 3-nitropropionic acid induced oxidative stress and mitochondrial dysfunctions in brain regions of prepubertal mice," Neurotoxicology, Vol.29, Issue.6, p948-57.2008.
- 18) **Shinomol GK** and Muralidhara, "Effect of *Centella asiatica* leaf powder on oxidative markers in brain regions of prepubertal mice *in vivo* and its *in vitro* efficacy to ameliorate 3-NPA induced oxidative stress in mitochondria," Phytomedicine, Vol.15,p.971-984.2008.
- 19) **G.K. Shinomol** and Muralidhara, "Differential induction of oxidative impairments in brain regions of male mice following subchronic consumption of Khesari dhal (*Lathyrus sativus*) and detoxified Khesari dhal," Neurotoxicology, Vol. 28, Issue.4,p798-806. 2007.

#### **Recent National and International Conference Presentations:**

- 1) P. Patil, **G. K. Shinomol**, and N. Kumar. Automated Tool for Metagenomics data analysis. National conference on convergence of science, Technology and Management (NCCSTM-2016), 5<sup>th</sup> May, 2016. Dayananda Sagar Academy of Technology and Management, Bengaluru.
- 2) S. Banerjee, S. Pandey, P. Muherjee, A.Sayeed, A.V. Pandurangi, **G. K. Shinomol**, S.M. Sahabudeen. A comparative study using nanoparticles and drug coated nanaoparticles *in vitro*. National conference on convergence of science, Technology and Management (NCCSTM-2016), 5<sup>th</sup> May, 2016. Dayananda Sagar Academy of Technology and Management. Bengaluru.
- 3) S. Banerjee, S. Pandey, P. Muherjee, A.Sayeed, A.V. Pandurangi, **G. K. Shinomol**, S.M. Sahabudeen. Investigation of cytotoxicity induced by *Negilla sativa* and *Azadirachta indica* using three different cell lines. National conference on convergence of science, Technology and

Management (NCCSTM-2016), 5<sup>th</sup> May, 2016. Dayananda Sagar Academy of Technology and Management. Bengaluru.

- 4) **G. K. Shinomol**, M.M.S Bharath. Biochemical and proteomic alterations in prepubertal and adult mice striatal mitochondria exposed to 3-NPA. Oral orientation 38<sup>th</sup> annual meeting of the Japan neuroscience society, Kobe, Japan. July 28-31, 2015.
- 5) **G. K. Shinomol**, K. Bhanu Revathi, N. Deepa, P.C. Sheregar, Ashwini T.S., Suchandrima Das. A Study on the Potential of Moringa Leaf and Bark Extract in Bioremediation of Heavy Metals from Water Collected from Various Lakes in Bangalore. Oral presentation in the 5<sup>th</sup> International Conference on Solid Waste Management (5 IconSWM2015) during November 25 - 27, 2015 at Indian Institute of Science, Bangalore, India.
- 6) Diea YKT, Chaitra C, Malvi PG, Sangeetha R, Sumedha A, Bhanu RK and **Shinomol G.K** *Coffea arabica* and *Coffea robusta* as potential source of anti-cancer and anti-neurodegenerative therapy. NCUBD, 25-26 september 2015, DSCE, Bangalore, India.
- 7) Johan AJ, Chandrasekar M, Madhukar H S, Siddharth S, Pruthvi, Roshan kumar M, Shreya Baid, Yashaswini GR, **Shinomol G.K**. A Study on The Antimicrobial Activity of Cinnamon and Cardamom Oil Incorporated Cheese Against *Listeria Monocytogenes*. NCUBD, 25-26 september 2015, DSCE, Bangalore, India.
- 8) Sangeetha R, Diea YKT, Chaitra C, Malvi PG, Maria Moiz L, Bhanu RK and **Shinomol G.K** *In vitro* studies on the potency of *Bambusa arundinaceae* for evaluating the effectiveness as antioxidants and cytoprotectants. NCUBD, 25-26 september 2015, DSCE, Bangalore, India.
- 9) Malvi PG, Diea YKT, Chaitra C, Sangeetha R, Trishank T and **Shinomol G.K**. A comparative study on the propensity of selected plant extracts as antioxidants and their cytotoxicity determination *in-vitro*. 25-26 september 2015, DSCE, Bangalore, India.
- 10) Chaitra C, Diea YKT, Malvi PG, Sangeetha R, Urvashi K.C and **Shinomol G.K**. *Coleus aromaticus* – An untapped ayurvedic marvel with anti- lung cancer potential. 25-26 september 2015, DSCE, Bangalore, India.