LIST OF PUBLICATIONS

List of Publications from Thesis Work

1. Patent Applications

"Rebamipide Loaded Transdermal Patch for Neurodegenerative Disease" by Sairam Krishnamurthy and **Akanksha Mishra**. Indian Patent filed on September 30, 2019, Application No. 201911039568.

2. Research Articles

- **Published**

✓ **Mishra, A.**, Chandravanshi, L.P., Trigun, S.K., Krishnamurthy, S., 2018. Ambroxol modulates 6-Hydroxydopamine-induced temporal reduction in Glucocerebrosidase (GCase) enzymatic activity and Parkinson's disease symptoms. Biochemical Pharmacology 155, 479-493. 10.1016/j.bcp.2018.07.028. **(Impact Factor: 4.825)**

✓ **Mishra, A.**, Krishnamurthy, S., 2019. Rebamipide Mitigates Impairments in Mitochondrial Function and Bioenergetics with α-Synuclein Pathology in 6-OHDA-Induced Hemiparkinson's Model in Rats. Neurotoxicity Research 35 (3), 542-562. 10.1007/s12640-018-9983-2. **(Impact factor: 3.311)**

✓ **Mishra, A.**, Krishnamurthy, S., 2019. Neurorestorative Effects of Sub-chronic administration of Ambroxol in Rodent Model of Parkinson's disease. Manuscript **(Ms. No. NSAP-D-19-00328R1)** accepted for publication in Naunyn-Schmiedeberg's Archives of Pharmacology. **(Impact factor: 2.058)**

- **Under Review**

✓ **Mishra, A.**, Krishnamurthy, S. Repeated Administration of Rebamipide Shows Neurorestorative Effects in 6-hydroxydopamine-Induced Dopaminergic Toxicity in Rats. Journal of Pharmacy and Pharmacology, Wiley Online Library.

✓ **Mishra, A.**, Krishnamurthy, S. Role of nuclear factor erythroid 2-related factor 2 activity in attenuating 6-hydroxydopamine-induced neurotoxicity by Rebamipide in animal model of Parkinson's disease. Toxicology and Applied Pharmacology, Elsevier.

- **Under Preparation**

✓ **Mishra, A.**, Krishnamurthy, S. Design, Characterization and Evaluation of Rebamipide Transdermal patches in Rodent Model of Parkinson's disease.

List of Research Publications from other projects

1. Kumar, S., **Mishra, A.**, Krishnamurthy, S., 2017. Purinergic Antagonism Prevents Mitochondrial Dysfunction and Behavioral Deficits Associated with Dopaminergic Toxicity Induced by 6-OHDA in Rats. Neurochemical Research 42, 1-17. 10.1007/s11064-017-2383-9. **(Impact factor: 2.772)**

List of Papers Presented In Conferences

1. **Akanksha Mishra*** and Sairam Krishnamurthy, 2019. 6-Hydroxydopamine-induced temporal reduction in nigral Glucocerebrosidase (GCase) enzymatic activity in rats. IBRO-APRC sponsored Neuroscience school on "Molecular Basis of Neuroinflammation Mediated Neurodegeneration" held at Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, India from September 01-14, 2019.
2. **Akanksha Mishra*** and Sairam Krishnamurthy, 2018. Effect of 6-Hydroxydopamine on Glucocerebrosidase (GCase) enzymatic activity in striatal tissues of rats. International Conference on Neuroscience & XXXVI Annual meeting of Indian Academy of Neurosciences (IAN 2018) on "Translational Research in Improving Mental Health", organized by Centre of Advanced Study, Department of Zoology, Varanasi, India, October 29-31, 2018.
3. **Akanksha Mishra***, Saket Kumar & Sairam Krishnamurthy, 2018. Neuroprotective Effects of Brilliant Blue G in 6-Hydroxydopamine Induced Parkinson's Disease Model. International Conference on Trends in Biochemical & Biomedical Research: Advances and Challenges (TBBR-2018), organized by Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, India, February 13-15, 2018.
4. **Akanksha Mishra***, Sudha Prajapati and Sairam Krishnamurthy, 2018. Taxifolin shows Anti-PD like effects in 6-hydroxydopamine Toxicity in rats. International Conference on Emerging Trends in Drug Discovery & Development (ETDDD-2018), organized by Department of Pharmaceutical

Engineering & Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi, January 18-20, 2018.

5. **Akanksha Mishra***, Saket Kumar and Sairam Krishnamurthy, 2016. Neuroprotective Effects of PPADS in 6-OHDA-induced PD Model. 49th Annual Conference of Indian Pharmacological Society (IPSCON 2016), Postgraduate Institute of Medical Education and Research, Chandigarh, October 20-23 2016.

Workshops & Hands-on-Trainings

1. Attended IBRO-APRC sponsored Neuroscience school on "Molecular Basis of Neuroinflammation Mediated Neurodegeneration" held at Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, India from September 01-14, 2019.
2. Attended pre-conference workshop on Experimental and Neurobehavioral Research at Postgraduate Institute of Medical Education and Research, Chandigarh, October 20, 2016.